

MEMOIRS OF THE BOTANICAL SURVEY OF  
SOUTH AFRICA  
MEMOIRS VAN DIE BOTANIESE OPNAME  
VAN SUID-AFRIKA

No. 52

1986

A PLANT ECOLOGICAL BIBLIOGRAPHY  
AND THESAURUS  
FOR SOUTHERN AFRICA  
UP TO 1975

A.P. BACKER  
D.J.B. KILICK  
and  
D. EDWARDS

BOTANICAL RESEARCH INSTITUTE — DEPARTMENT OF AGRICULTURE AND WATER SUPPLY — REPUBLIC OF  
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VAN SUID-AFRIKA



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## FOREWORD

This memoir consists of two parts, a plant ecological bibliography and an ecological thesaurus—for southern Africa up to 1975. Although clearly related, the parts are so different in character and scope that I shall deal with them separately.

The appearance of the bibliography is a significant event for all those interested in the ecology of the southern African subcontinent. The work includes Angola, Zambia, Malawi, Zimbabwe, Mozambique and all countries southwards. In this respect the bibliography is geographically more comprehensive than most of the other standard works published by the Botanical Research Institute. This approach is an acknowledgement of the inherent unity and strong interrelationships of the vegetation of these regions which, due to the geographical and political features of the area, have often not been sufficiently taken into account.

Work on the bibliography started officially in 1969 and, after fifteen years of painstaking but somewhat intermittent work, it is gratifying to see the bibliography finally published. In its preparation the most modern approaches to literature referencing were employed. The basis for an ongoing databank of ecological references (ESLI) for southern Africa was concurrently laid, which should ensure that the future needs of ecologists for an up to date literature reference service will be met. The bibliography which comprises 4 242 references will be of great value to all ecologists working on the vegetation of southern Africa, particularly in view of the current national programmes on biome research. Ecologists will now have at their finger-tips all or nearly all references to the geographical areas or fields of ecology which they are studying. Time-consuming literature search will be eliminated which is highly desirable because of the present need for greater efficiency and productivity. From 1985 onwards ecologists will be able to use the Institute's ESLI (Ecology Section Literature Index) data base for their reference requirements.

Thesaurus, according to the *Oxford Dictionary*, is the Greek word for 'store' or 'storehouse' from which the more specific meaning of a 'treasury or storehouse of knowledge as a dictionary, encyclopaedia or the like' grew. The present ecological thesaurus is therefore most aptly named, seeing that it presents a strongly condensed and organized hierarchical cross-referenced selection of ecological key words which, together, provide a potted summary of vegetation and experimental ecological concepts and terms.

The work was conceived out of the need to organize the many references contained in the manuscript of the bibliography into useful groupings. As the work on the thesaurus developed it was realized that its scope had far exceeded the initial purpose for which it was designed and that it had become a tool potentially useful to ecologists outside the Botanical Research Institute. For this reason it was decided to publish it together with the bibliography. Despite meticulous work by the compilers, errors will undoubtedly be found and concepts challenged. It is, therefore, foreseen that the thesaurus will need regular updating, as shortcomings and omissions are discovered. Users are invited to share their experience and views with others by making constructive suggestions for improvements to be incorporated in a future edition.

The authors and their helpers over the years are to be congratulated on the production of what will undoubtedly be a standard work in the *Memoir* series. I look forward to the appearance of the next and probably final edition covering the period up to 1985.

B. DE WINTER

Director: Botanical Research Institute

Pretoria, December 1985



## ABSTRACT

BACKER, A.P., KILLICK, D.J.B. & EDWARDS, D., 1986. A plant ecological bibliography and thesaurus for southern Africa up to 1975. *Memoirs of the Botanical Survey of South Africa* No. 52, pp. 216.

A plant ecological bibliography for southern Africa up to 1975 has been compiled from available references. The 4 242 references were incorporated into a computer data base (ESLI) and the IBM Storage and Information Retrieval System (STAIRS) programme was used to sort the author index and to select and sort references under subject headings to form the subject index. The subject categories are as follows: applied ecology, autecology, environment, palaeoecology, physiognomy, reference works and maps, synecology and vegetation descriptions. In the ecological thesaurus the terms are hierarchically arranged in accordance with the Universal Decimal Classification System. All keywords used for sorting references into the subject indexes are included in the thesaurus.

## UITTREKSEL

'n Plant ekologiese bibliografie vir suider Afrika tot 1975 is van beskikbare verwysings saamgestel. Die 4 242 verwysings is op 'n rekenaar databasis (ESLI) opgeneem. Die IBM 'Storage en Information Retrieval System (STAIRS)' program is gebruik om die outeursindeks te sorteer en die onderwerpe uit te kies en te sorteer volgens onderwerpsopskrifte om die onderwerpsindeks te vorm. Die onderwerpe is soos volg: outekologie, omgewing, toegepaste ekologie, palaeoekologie, fisiognomie, verwysingsbronne en kaarte, sinekologie en plante-groeibeskrivings. In die ekologiese thesaurus word terme hierargies gerangskik volgens die Universele Desimale Klassifikasie. Alle sleutelwoorde wat gebruik is om verwysings uit te sorteer vir die onderwerpsindekse word in die thesaurus ingesluit.



## PART 1.— PLANT ECOLOGICAL BIBLIOGRAPHY

### INTRODUCTION

Because of the strong involvement of the Botanical Research Institute in plant ecological studies it was considered necessary to produce an ecological bibliography for southern Africa. By southern Africa is meant southern Africa in its broad and systematic sense, i.e. South Africa and South Tropical Africa. The region covered by this bibliography is the Republic of South Africa (including the independent states and homelands), South West Africa/Namibia, Swaziland, Lesotho, Botswana, Zimbabwe, Zambia, Mozambique, Malawi and Angola.

At the start of research projects, ecologists require literature reference relating to the areas which they intend studying. Usually this is time-consuming work involving much bibliographic research and reliance on the memory of library staff. In addition to its own requirements, the Institute frequently caters for the reference requirements of other organizations such as universities, the CSIR, conservation organizations and other institutes of the Department of Agriculture and Water Supply. In fact, some of these organizations have already produced specific bibliographies based to a varying extent on the manuscript of the present general bibliography. From what has been said and the fact that ecological research has intensified in recent years, it should be clear that there is a real need for an ecological bibliography.

Since the beginning of their botanical careers the last two authors have kept and maintained fairly exhaustive card indexes to the literature of southern African ecology. The first step was to combine the two card indexes. The next step was to search the literature to bring the bibliography up to date to 1975. The bibliography was then roneoed and sent to ecologists in the RSA for additions and corrections. Ultimately a reasonably comprehensive bibliography of 4 242 references was produced. Most of the entries were then checked for accuracy and some alterations were made to the entry format of certain categories of bibliographic reference.

This bibliography is presented in two parts, an author index and a subject index. The author index is arranged alphabetically and chronologically and includes ecological references and vegetation maps up to 1975. The subject index is similarly arranged and is based on the Universal Decimal Classification (UDC) system using groupings of hierarchical UDC numbers as subject headings. Subjects that are of primary and secondary ecological importance have been covered in this bibliography. Subjects of tertiary importance (e.g. flora of southern Africa) have not necessarily been included.

The ecological bibliography for southern Africa forms part of the Ecology Section Literature Index (ESLI) data base using the IBM System/370 computer. The IBM Storage and Information Retrieval System (STAIRS) programme package which is available for sorting and retrieving references, was used to sort the author index and select and sort references under various subject headings to form the subject index. Space precludes a subject index containing all the thesaurus terms, however, references can be retrieved directly from the ESLI data base using these terms, which include geographical regions, biomes etc. (see thesaurus).

In a work of this kind there are bound to be errors, omissions, inconsistencies and incomplete references, the last-named being due to non-availability of the relevant publications in RSA libraries. It would be appreciated if readers could bring any imperfections to the attention of the BRI, so that they can be rectified in a proposed second edition which will cover the period up to 1985.

A final word. The preparation of a bibliography is not the simple operation it might appear to be. This is largely due to the many types of bibliographic reference involved and the fact that there is no international standardized system of reference entry. The relevant ISO Standard 690 for bibliographical references tends to concentrate on what data should be included in a reference rather than on how it should be set out.



## AUTHOR INDEX

- ABEL, H., 1953. Geomorphologische untersuchungen um Kaokoveld (Sudwestafrika). Deutscher Geographentag, Essen 29: 114-124.
- ABEL, H., 1954. Beitrage zur landeskunde des Kaokoveldes (Sudwestafrika). Die geogr. Bl. 47, 1 & 2.
- ABEL, H., 1955. Beitrage zur landeskunde des Rehobother Westens (Sudwestafrika). Mitt. geogr. Ges. Hamb. 51.
- ACKERMAN, D.P., 1972. The proclamation of wilderness areas by the Department of Forestry. S. Afr. For. J. No. 82, pp. 19-21.
- ACKERMANN, E., 1936. Dambos in Nordrhodesian. Wiss. Veroff. Mus. Landerk. Lpz. 24: 147-157.
- ACOCKS, J.P.H., 1938. Vermeerbos: Suggested experiments. Koopmansfontein Agricultural Research Station (unpublished).
- ACOCKS, J.P.H., 1952. The grassy veld-types of South Africa. In Veld gold, pp. 22-29. Johannesburg: The National Veld Trust.
- ACOCKS, J.P.H., 1953. Veld types of South Africa. Mem. bot. Surv. S. Afr. No. 28, pp. 192.
- ACOCKS, J.P.H., 1955. Agriculture in relation to a changing vegetation. S. Afr. J. Sci. 52: 101-108.
- ACOCKS, J.P.H., 1964. Karoo vegetation in relation to the development of deserts. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 100-112. The Hague: Junk.
- ACOCKS, J.P.H., 1966. Non-selective grazing as a means of veld reclamation. Proc. Grassld Soc. sth. Afr. 1: 33-39.
- ACOCKS, J.P.H., 1967. Vegetation of South Africa. Lantern 16: 50-56.
- ACOCKS, J.P.H., 1971. The distribution of certain ecologically important grasses in South Africa. Mitt. bot. StSamml., Münch. 10: 149-160.
- ACOCKS, J.P.H., 1975. Veld types of South Africa. 2nd edn. Mem. bot. Surv. S. Afr. No. 40, pp. 128.
- ADAM, J.G., 1962. Le Boabab (*Adansonia digitata* L.). Notes afr. 94: 33-44.
- ADAMSON, R.S., 1925. The native vegetation of Kirstenbosch. J. bot. Soc. S. Afr. 11: 19-23.
- ADAMSON, R.S., 1927a. Some problems of vegetation in South Africa. S. Afr. J. Sci. 24: 37-49.
- ADAMSON, R.S., 1927b. The plant communities of Table Mountain: preliminary account. J. Ecol. 15: 278-309.
- ADAMSON, R.S., 1927c. Alien trees at Kirstenbosch. J. bot. Soc. S. Afr. 13: 17-20.
- ADAMSON, R.S., 1929a. The vegetation of the south-west region. J. bot. Soc. S. Afr. 15: 7-12.
- ADAMSON, R.S., 1929b. Vegetation of the south-western region. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province, pp. 15-32. Cape Town: Speciality Press.
- ADAMSON, R.S., 1931a. Notes on some petrified wood from Banke, Namaqualand. Trans. R. Soc. S. Afr. 19: 255-258.
- ADAMSON, R.S., 1931b. The plant communities of Table Mountain. 2. Life-form, dominance and succession. J. Ecol. 19: 304-320.
- ADAMSON, R.S., 1933. Some aspects of soil erosion. J. bot. Soc. S. Afr. 19: 13-16.
- ADAMSON, R.S., 1934a. The vegetation and flora of Robben Island. Trans. R. Soc. S. Afr. 22: 279-296.
- ADAMSON, R.S., 1934b. Fossil plants from Fort Grey near East London. Ann. S. Afr. Mus. 31: 67-96.
- ADAMSON, R.S., 1935. The plant communities of Table Mountain. 3. A six years' study of regeneration after burning. J. Ecol. 23: 44-55.
- ADAMSON, R.S., 1938a. Notes on the vegetation of the Kamiesberg. Mem. bot. Surv. S. Afr. No. 18, pp. 25.
- ADAMSON, R.S., 1938b. The vegetation of South Africa. London: British Empire Vegetation Committee, pp. 235.
- ADAMSON, R.S., 1939. The classification of life forms of plants. Bot. Rev. 5: 546-561.
- ADAMSON, R.S., 1941. Weeds: the "new" Cape flora. J. bot. Soc. S. Afr. 27: 7-8.
- ADAMSON, R.S., 1948. Some geographical aspects of the Cape flora. Trans. R. Soc. S. Afr. 31: 437-464.
- ADAMSON, R.S., 1949. Plant geography in southern Africa. In Statements and communications of the African regional scientific conference 17-28 Oct. 1949, Johannesburg, pp. 113-115.
- ADAMSON, R.S., 1952. The flora of the Cape Province. Cape Department of Nature Conservation Report No. 9: 29-33.
- ADAMSON, R.S., 1953. Can we preserve the Cape flora? J. bot. Soc. S. Afr. 39: 11 & 12.
- ADAMSON, R.S., 1958. The Cape as an ancient African flora. Advmt Sci. 15: 118-127.
- ADAMSON, R.S., 1959. Notes on the phytogeography of the flora of the Cape Peninsula. Trans. R. Soc. S. Afr. 35: 443-462.
- ADAMSON, R.S., 1960. The phytogeography of Molluginaceae with reference to southern Africa. J. S. Afr. Bot. 26: 17-35.
- ADAMSON, R.S., COMPTON, R.H., VAN DER BYL, P.A., STEPHENS, E.L. & LEVYNS, M.R., 1929. The botanical features of the south-western Cape Province. Cape Town: Speciality Press, pp. 127.
- ADAMSON, R.S. & CURRIN, M.M., 1952. Buried trees on the Cape Flats. Trans. R. Soc. S. Afr. 33: 13-23.
- ADAMSON, R.S. & SALTER, T.M. (eds), 1950. Flora of the Cape Peninsula. Cape Town & Johannesburg: Juta, pp. 889.
- ADLAM, R.W., 1886. A trip to Polela. Gdnrs' Chron. 2,25: 425 & 426.
- ADLAM, R.W., 1899a. The flora of Johannesburg. Gdnrs' Chron. 3,25: 407-408.
- ADLAM, R.W., 1899b. Forestry in the Transvaal. Gdnrs' Chron. 3, 26: 223-224.
- ADLER, E.D., 1951. Soil conservation in the Union of South Africa. Soils Fertil., Harpenden 14: 263-267.
- ADLER, E.D., 1971. Interterritorial technical co-operation in southern Africa with special reference to SARCCUS. S. Afr. J. Sci. 67: 140-144.
- AFRICA, FLORA, 1950. Flora coverage of Africa. 1:10 000 000. Codd, L.E., Pretoria, Botanical Research Institute.
- AFRICA, SOUTH OF THE SAHARA, FLORISTIC EXPLORATION, 1965. Map of the extent of floristic exploration of Africa south of the Sahara. 1:17 000 000. AETFAT, Webbia 19,2.
- AFRICA, VEGETATION, 1958. Vegetation map of Africa south of the Tropic of Cancer. Prepared by Aubreville, A., DuVigneaud, P., Hoyle, A.C., Keay, R.W.J., Mendonca, F.A., & Pichi-Sermolli, R.E.G. 1:10 000 000. London: Oxford University Press.
- AFRICA, VEGETATION, 1963. Vegetations karte von Africa. 1:15 000 000. Mildbraed, J., Schulze-Menz, G.K., & Diels, L. Berlin: Walter de Gruyter & Co.

- AGRICOLA (VENTER, P.J.), 1947. Geskiedenis van veldbrand in die Unie. In 1658 reeds verbied. Landbouweekblad, Cape Town, 31 Dec., p. 47.
- AGRICOLA (VENTER, P.J.), 1948. Uit die geskiedenis van die veldbrandgeskil. Landbouweekblad, Cape Town, 8 Dec., pp. 63 & 65.
- AGRICOLA (VENTER, P.J.), 1949. Die geskiedenis oor die agteruitgang van ons veld. Landbouweekblad, Cape Town, 24 Aug., pp. 31-33.
- AGUIAR, F.Q. DE B., 1967. A Geomorfologia como determinante na zonalidade dos solos e de vegetacao no Vale do Cusoi (Cela). Garcia de Orta 15.2: 249-258.
- AGUIAR, F.Q. DE B. & SILVA, J.M.V., 1969. A importancia das formacoes de recobrimento numa zona solos Ferraliticos em Angola. Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 8.
- AIRY SHAW, H.K., 1947. The vegetation of Angola. J. Ecol. 35: 23-48.
- AITKEN, R.D., 1921. The plant succession in a type of midland tree veld in Natal. S. Afr. J. Sci. 18: 233-243.
- AITKEN, R.D., 1922a. The effect of slope exposure upon the climate and vegetation of a hill near Maritzburg: a preliminary investigation. S. Afr. J. Sci. 19: 207-217.
- AITKEN, R.D., 1922b. The water relations of the pine (*Pinus pinaster*) and the silver tree (*Leucadendron argenteum*). Trans. R. Soc. S. Afr. 10: 5-19.
- AITKEN, R.D., 1923. The distribution and ecology of the genus *Cussonia* Thunb. with some remarks upon its probable evolutionary history. Mem. bot. Surv. S. Afr. No. 5, pp. 56-70.
- AITKEN, R.D., 1924. The water relations of some Natal plants. D.Sc. thesis, University of South Africa.
- AITKEN, R.D. & GALE, G.W., 1921. Botanical survey of Natal and Zululand. A reconnaissance trip through north-eastern Zululand. Mem. bot. Surv. S. Afr. No. 2, pp. 19.
- ALEXANDER, J.E., 1838. An expedition of discovery into the interior of Africa, through the hitherto undescribed countries of the Great Namaquas, Boschmans and Wild Damaras. London: Colburn (2 vols).
- ALEXANDER, R., 1926. *Lasiosiphon anthylloides* as a poisonous plant. Rep. vet. Res. Un. S. Afr. 13-14, pp. 233-240.
- ALEXANDER, W.J.R., 1973. Some comments on the diversion of the Mkuze river into Lake St Lucia. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- ALLAN, W., 1965. The African husbandman. Edinburgh & London: Oliver & Boyd. pp. 505.
- ALLANSON, B.R., 1960. The techniques and objectives of stream surveys. CSA CCTA Pubs No. 64, pp. 213.
- ALLANSON, B.R., 1961. Investigations into the ecology of polluted inland waters in the Transvaal. Part 1. Hydrobiologia 18: 1-76.
- ALLANSON, B.R., 1969. Limnological studies on the lakes of northern Zululand. General introductions. Trans. R. Soc. S. Afr. 38: 201-203.
- ALLANSON, B.R. & GIESKES, J.M.T.M., 1961. Investigations into the ecology of polluted inland water in the Transvaal. Part 2. Hydrobiologia 18: 77-94.
- ALLANSON, B.R. & HART, R.C., 1975. The primary production of Lake Sibaya, KwaZulu, South Africa. Verh. int. Verein. theor. angew. Limnol. 19: 1426-1433.
- ALLANSON, B.R. & VAN WYK, J.D., 1969. An introduction to the physics and chemistry of some lakes in northern Zululand. Trans. R. Soc. S. Afr. 38: 217-240.
- ALLSOP, R.J., 1945. Notes on the ecology of associated grassland plants of Pietermaritzburg. South Africa. M.Sc. thesis, University of South Africa.
- ALSTON, A.H.G., 1934. Mr John Gossweiler's plants from Angola and Portuguese Congo: Pteridophyta. J. Bot., Lond. 72, Suppl. 2: 1-11.
- ALSTON, A.H.G. & SCHELPE, E.A.C.L.E., 1952. An annotated check-list of the Pteridophyta of southern Africa. JI S. Afr. Bot. 18: 153-176.
- ALTONA, R.E., 1940a. Growth rhythm - a growth study of six highveld grasses in relation to certain environmental factors. M.Sc. thesis, University of the Witwatersrand.
- ALTONA, R.E., 1940b. Weed control in turf using selective weed killers. Parks 15: 2.
- ALTONA, R.E., 1950. A preliminary report on the control of weeds in maize with Methoxone 2,4-D. S. Afr. J. Sci. 46: 295-296.
- ALTONA, R.E., 1951a. The control of weed in maize with selective plant growth regulation. Second report. Emp. J. exp. Agric. 19: 26-32.
- ALTONA, R.E., 1951b. The use of plant regulators in weed control with special reference to weed control in maize lands. Ph.D. thesis, University of the Witwatersrand.
- ALTONA, R.E., 1951c. The use of hormone weedkillers in Africa south of the Sahara. Rhodesia agric. J. 48: 560-562.
- ALTONA, R.E., 1972. The influence of soil fertility on secondary succession. Proc. Grassld Soc. sth. Afr. 7: 20-22.
- ALTONA, R.E. & TILLEY, T.J., 1963. Oestrogenically active steroid extracts from grasslands. S. Afr. J. Sci. 59: 561-563.
- AMICO, A., 1967. Contributo alla conoscenza della flora della Zambesia inferiore (mozambico). Webbia 22: 469-526.
- AMM, S.E., 1894. Mimosa thorn nuisance. Agric. J. Cape G. H. 7: 207.
- ANDERSON, C.J., 1856. Lake Ngami: or explorations, and discoveries during four years wanderings in the wilds of south western Africa. 2nd edn. London: Hurst & Blackett. pp. 546.
- ANDERSON, E.A., 1930. A general study of the behaviour of stomata. M.Sc. thesis, University of South Africa.
- ANDERSON, G.D., 1973. Vegetation composition and elephant damage in the major habitat types of Sengwa Wildlife Research Area of Rhodesia. M.Sc. thesis, University of Rhodesia.
- ANDERSON, G.D. & WALKER, B.H., 1974. Vegetation composition and elephant damage in the Sengwa Wildlife Research Area, Rhodesia. J. sth. Afr. Wildl. Mgmt Ass. 4: 1-14.
- ANDERSON, J.G., 1966. The genus *Andropogon* in Southern Africa. Bothalia 9: 5-30.
- ANDERSON, T., 1864a. Enumeration of the species of Acanthaceae from Africa. J. Linn. Soc. (Bot.) 7: 13-54.
- ANDERSON, T., 1864b. On a presumed case of parthenogenesis in a species of *Aberia* (*A. calfra* Hook. f.). J. Linn. Soc. (Bot.) 7: 67-68.
- ANDERSSON, A.A., 1887. Twenty-five years in a wagon in the gold regions of Africa. 2 vols. London: Chapman & Hall. Vol. 1 pp. 307 & Vol. 2 pp. 253.
- ANDERSSON, C.J., 1861. The Okavango River: a narrative of travel, exploration and adventure. Cape Town: Struik (Africana Collectanea 29). pp. 371.
- ANDERSSON, R.J.F., 1968-1971. Climatic factors in Botswana. Botswana Notes and Records 2: 75-78.
- ANDREAE, B., 1966a. Weidewirtschaft im sudlichen Afrika. Standorts - und evolution theoretische studien zur Agrargeographie und Agrarokonomie der Trophe und Subtropen. Erdk. Wissen 15, pp. 495.
- ANDREAE, B., 1966b. Pasture husbandry in Southern Africa. Wiebaden: Franz Steiner. pp. 63.
- ANDRES, L.A. & ANGOLET, W.G., 1963. Notes on the ecology and host specificity of *Microletius lareynii* (Jacquelin du Voil) and *M. lypriformis* (Wollaston) (Coleoptera: Curculionidae). J. econ. Ent. 56: 333-340.
- ANDREWS, F.W., 1945. The parasitism of *Striga hermonthica* on *Sorghum* spp. under irrigation. Ann. appl. Biol. 32: 193-200.
- ANDREWS, W.H., 1924. The so-called "staggers" or pushing disease of cattle in Natal: an intoxication due to the ingestion of *Marricaria nigellifolia* DC. Rep. vet. Res. Un. S. Afr. 9-10, pp. 121-229.
- ANGOLA. VEGETATION, 1939. Carta Fitogeografica de Angola. Gossweiler, J., 1:2 000 000. Ministerio das Colonias.
- ANNECKE, D.P., 1969. Recent developments in biological and integrated control of citrus pests in South Africa. In Proceedings of the 1st international citrus symposium 2: 849-854.
- ANNECKE, D.P., 1972. Progress towards an ecological approach to pest control. In Biological research and problems of the environment symposium, 2-10 July 1972, Johannesburg. pp. 55-62.
- ANON., 1858. The botanical aspect of Natal. Natal Jour. 2: 175-176.
- ANON., 1887. Caffrarian marblecork: ou, bois liege marbre de la Caffrerie. Revue Eaux Forets 26: 137.

- ANON., 1888. Prickly pear in South Africa. Kew Bull. 1888: 165-173.
- ANON., 1898. Cape sumach (*Colpoos compressum* Berg.). Kew Bull. 1898: 18-21.
- ANON., 1904. Foreign grasses in Natal. Natal agric. J. 7: 46-49.
- ANON., 1911. Economic notes on Transvaal grasses. Kew Bull. 1911: 158-161.
- ANON., 1916. South African drugs and poisonous plants. Bull. imp. Inst. Lond. 14: 27-37.
- ANON., 1919. Botanical survey of the Union of South Africa. Kew Bull. 1919: 399-403.
- ANON., 1924. Symposium on veld burning. S. Afr. J. Sci. 21: 342-352.
- ANON., 1928a. Statement relating to the Union of South Africa. British Empire Forestry Conference 1928: 3-28.
- ANON., 1928b. To control veld fires. Fmg S. Afr. 3: 909.
- ANON., 1928c. Forstliches aus Sudwesafrika. Z. Forst- u. Jagdw. 60: 634-637.
- ANON., 1932. Transvaal veld flowers. S. Afr. Gdng Country Life 22: 30, 55, 87, 111, 141, 178, 206, 227, 252, 281 & 307.
- ANON., 1940a. Plant ecology of Zululand. Herb. Rev. 8: 16-17.
- ANON., 1940b. Veld and permanent pasture in the Pretoria district. Herb. Rev. 8: 82-83.
- ANON., 1940c. Plants of the Namib Desert. Herb. Rev. 8: 182-188.
- ANON., 1940d. Nutritive value of South African pastures. Herb. Rev. 8: 189-194.
- ANON., 1940e. Some naturalised species (of *Opuntia*) with special reference to Prickly Pear and methods for its eradication. Fmg S. Afr. 15: 119-125.
- ANON., 1946. Basutoland grasses. Ann. Rep. Dept Agric. Basutoland, pp. 28.
- ANON., 1949. An important fodder tree. Fruit Crop as succulent winterfeed. Fmg S. Afr. 24: 4, 14, & 19.
- ANON., 1950a. Check-list Northern Rhodesia. Botanical names - all native languages. Part 1. pp. 83. Livingstone: Forestry Office (ronoed).
- ANON., 1950b. Check-list Northern Rhodesia. Botanical names - all native languages. Part 2. pp. 60. Livingstone: Forestry Office (ronoed).
- ANON., 1951. Management and conservation of vegetation in Africa. Commonw. Agric. Bur. Bull. No. 41: 1-97.
- ANON., 1954. Burning is necessary. Veldtrust 15,11: 29.
- ANON., 1955a. Ons verlate weiveld word herstel. Veldtrust 16,4: 18-19, 24.
- ANON., 1955b. Uitklophou vir erosie beplan. Veldtrust 16,12: 8-9.
- ANON., 1956. Veld burning. Devastation or a blessing. The opinion of experts. Fmg S. Afr. 32,5: 14-20.
- ANON., 1958a. Hoe bewaring vorder. Veldtrust Jun. 19,6: 19-20.
- ANON., 1958b. Pros and cons of burning discussed at conference. Farmer's Weekly, Durban, 4 June, p. 45.
- ANON., 1959a. Bush encroachment not controlled by veld-burning alone. Fmg S. Afr. 35,9: 16-17.
- ANON., 1959b. Dekade van grondbewaring in O.V.S. Veldtrust 20, 1: 16-17, 19 & 27.
- ANON., 1960. Bold new three-dimensional forestry experiments. Veldtrust 21,5: 29-30.
- ANON., 1961a. Fireproof strangler of the Western Province. Veldtrust 22,2: 24 & 30.
- ANON., 1961b. Veld burning in the Karoo mountains with special reference to sourgrassveld areas. Fmg S. Afr. 37: 36-37.
- ANON., 1962. Urgent need for an ecological survey of St Lucia area. Veldtrust 23,4: 11.
- ANON., 1963. Nature reserves on farms. Veldtrust 24,1: 9.
- ANON., 1966a. The Blouberg is lost. Veldtrust 27,1: 15 & 29.
- ANON., 1966b. Rooigras. Veldtrust 27,4: 10-11 & 13.
- ANON., 1966c. Die doringboom woestyn. Veldtrust 27,7: 20-21 & 23.
- ANON., 1966d. Water hyacinth eradication programme stepped up. S. Afr. Sug. J. 50: 379.
- ANON., 1966e. Natal forests 1876-1966 - What has been achieved? Natal Wildlife 7: 6-9.
- ANON., 1968a. Incalculable damage through untimely veld fires. Fmg S. Afr. 44,3: 5.
- ANON., 1968b. The Malabusi River. Rhod. Sci. News 2,12: 256-257.
- ANON., 1969. Some problems of aquatic ecosystems in southern Africa. News Lett. Limnol. Soc. sth. Afr. No. 13, pp. 1-95 (supplement).
- ANON., 1970a. Conservation, Rhodesia and SARCCUS. Rhod. Sci. News 4,5: 169.
- ANON., 1970b. Restoring the balance of nature by computer. Construction sth. Afr. 15,1: 33-37.
- ANON., 1972a. Practical veld management: Sourveld. Golden Fleece Nov. 1972: 1-4.
- ANON., 1972b. Pollution and its control. Pretoria: Suid-Afrikaanse Akademie vir Wetenskap en Kuns.
- ANON., 1973a. The interdependence of marine and estuarine ecosystems in South Africa. S. Afr. J. Sci. 69: 18-24.
- ANON., 1973b. Ontwikkelingsprogram vir die Hoefeldstreek. Revised and abridged edition. Potchefstroom: Highveld Region.
- ANON., 1975a. Mapelane... die hoogste bewoude duine ter wereld. Afr. wild Life 29,1: 12-13.
- ANON., 1975b. A description of the savanna ecosystem project. Nylsvley, South Africa. South African National Scientific Programmes Report 1, National Scientific Programmes Unit. CSIR, Pretoria, pp. 24.
- APPELTON, C.C., 1974. A check-list of the flora and fauna of the Gladdespruit, Nelspruit District, eastern Transvaal. News Lett. Limnol. Soc. sth. Afr. No. 22, pp. 49-58.
- ARBER, E.A.N., 1910. A note on a fossil wood from Intombi Camp. Ladysmith. Ann. Natal Mus. 2: 233.
- ARBOUSSET, T. & DAUMAS, F., 1846. Narrative of an exploratory tour to the north-east of the colony of the Cape of Good Hope. Translated by Brown, J.C. Cape Town: Struik (Africana Collectanea 27). pp. 330.
- ARCHIBALD, C.G.M., 1966. Some new and interesting Cyanophytes from the Kowie River system in the eastern Cape Province. (S. Africa). Nova Hedwigia 12: 529-538.
- ARCHIBALD, C.G.M., 1967. New and interesting Cyanophytes from the Kowie River system in the eastern Cape Province. Nova Hedwigia 13: 389-395.
- ARCHIBALD, C.G.M., 1971. Aspects of the limnology of the Ifafa River estuary in relation to its possible eutrophication. In Natal Rivers Research Report, National Institute for Water Research No. 37: 3.
- ARCHIBALD, C.G.M., COETZEE, O.J., COX, S.M.H., KEMP, P.H., PRETORIUS, S.J. & SIBBALD, R.R., 1971. Water quality and abatement of pollution in Natal rivers. Part 4: Factors affecting water quality in the sugar growing areas of Natal. Natal Town & Regional Planning Commission Report 13, Pietermaritzburg, pp. 120.
- ARCHIBALD, C.G.M., COETZEE, O.J., KEMP, P.H., PRETORIUS, S.J. & SIBBALD, R.R., 1969. Water quality and abatement of pollution in Natal rivers. Part IV: The rivers of northern Natal & Zululand. Natal Town & Regional Planning Commission Report 13,4, Pietermaritzburg, pp. 52.
- ARCHIBALD, E.E.A., 1936. An anatomical investigation of Jointed Cactus (*Opuntia aurantiaca* Lindley) with germination tests, and observations on the movement of stomata. M.Sc. thesis, University of South Africa, pp. 85.
- ARCHIBALD, E.E.A., 1939. The development of ovule seed of Jointed Cactus (*Opuntia aurantiaca* Lindley). S. Afr. J. Sci. 36: 195-211.
- ARCHIBALD, E.E.A., 1948. Plant populations. I. A new application of Neyman's contiguous distribution. Ann. Bot. 12: 221-235.
- ARCHIBALD, E.E.A., 1949a. The specific character of plant communities. I. Herbaceous communities. J. Ecol. 37: 260-273.
- ARCHIBALD, E.E.A., 1949b. The specific character of plant communities. II. A quantitative approach. J. Ecol. 37: 274-288.
- ARCHIBALD, E.E.A., 1950. Plant populations. II. The estimation of the number of individuals per unit area of species in heterogeneous plant populations. Ann. Bot. 14: 7-21.
- ARCHIBALD, E.E.A., 1952. A possible method for estimating the area covered by the basal parts of plants. S. Afr. J. Sci. 48: 286-292.
- ARCHIBALD, E.E.A., 1954. An ecological survey of the Addo Elephant National Park. J. S. Afr. Bot. 20: 137-154.
- ARCHIBALD, E.E.A., 1967. The genus *Dioscorea* in the Cape Province, west of East London. J. S. Afr. Bot. 33: 1-46.
- ARCHIBALD, R.E.M., 1969. Studies on the ecology and systematics of the diatoms (Bacillariophyta) from some South African rivers. M.Sc. thesis, Rhodes University.

- ARCHIBALD, R.E.M., 1972. Diversity in some South African diatom associations and its relation to water quality. *Wat. Res.* 6: 1229-1248.
- ARMITAGE, F.B., 1963. Afforestation and the Eastern Districts. *Rhodesia agric. J.* 60: 125-127.
- ARNELL, S., 1963. Hepaticae of South Africa. Stockholm: Swedish Nat. Sci. Res. Council. pp. 411.
- ARNOLD, H.C., 1919. The management and utilization of natural pastures. *Rhodesia agric. J.* 36: 376-391.
- ARZT, T., 1936. Die Kutikula einiger afrikanischer Mangrove-Pflanzen. *Ber. dt. bot. Ges.* 54: 247-260.
- ASHTON, P.J., 1974. The effect of some environmental factors on the growth of *Azolla filiculoides* Lam. In Van Zinderen Bakker, E.M. (Sr.) (ed.), *The Orange River*, Progress Report, pp. 123-138. Inst. for Environmental Sciences, University of the Orange Free State.
- ASTLE, W.L., 1965a. The edaphic grasslands of Zambia. *Proc. 9th Internat. Grassld Congr.*, pp. 363-373.
- ASTLE, W.L., 1965b. The grass cover of the Chambeshi flats, Northern Province, Zambia. *Kirkia* 5: 37-48.
- ASTLE, W.L., 1968/69. The vegetation and soils of Chishinga Ranch, Luapula Province, Zambia. *Kirkia* 7: 73-102.
- ASTLE, W.L., 1971. Management in the Luangwa Valley. *Oryx* 11.2/3: 135-139.
- ASTLE, W.L., WEBSTER, R. & LAWRENCE, C.J., 1969. Land classification for management planning in the Luangwa Valley of Zambia. *J. appl. Ecol.* 6: 143-169.
- ATTRIDGE, J., 1963. The Upper Triassic Karroo deposits and fauna of Southern Rhodesia. *S. Afr. J. Sci.* 59: 242-247.
- ATTWELL, R.I.G., 1970. Some effects of Lake Kariba on the ecology of a floodplain of the mid-Zambezi Valley of Rhodesia. *Biol. Conserv.* 2.3: 189-196.
- AUBREVILLE, A., 1949. *Climats, Forêts et desertification de l'Afrique tropicale*. Paris: Societe d'Editions Geographiques Maritimes et.
- AUBREVILLE, A., 1957. Accord a Yangambi sur la Nomenclature des Types, Africains de Vegetation. *Bois Forets Trop.* 51.
- AUBREVILLE, A., 1963. Definitions physionomiques, structurales et ecologiques des forets claires en Afrique. *CSA/CCTA Pubs.* No. 52, pp. 81-87.
- AUBREVILLE, A., 1965a. Principes d'une systematique des formations vegetales tropicales. *Adansonia* 5.2: 153-196.
- AUBREVILLE, A., 1965b. Conceptions modernes en bioclimatologie en classification des formations vegetales. *Adansonia* 5.3: 297-306.
- AUBREVILLE, A., 1970. Vocabulaire de biogeographie appliquee aux regions Tropicales. *Adansonia ser.* 2.10: 439-497.
- AUBREVILLE, A., 1971. Essai sur la Geophytologie et l'ecophytetisme des Manilkarees. *Adansonia ser.* 2.11: 251-265.
- AUBREVILLE, A., 1975. Essais sur l'origine et l'histoire des Flores tropicales africaines, Application de la theorie des origines polytopiques des Angiospermes tropicales. *Adansonia ser.* 2.15: 31-56.
- AUCAMP, A.J., 1972. Die voedingswaarde en benutting van 'n aantal struiksoorte in die Valleibosveld van die Oos-Kaap. M.Sc. (Agric.) thesis, University of Orange Free State.
- AUCAMP, A.J., SMITH, D.W.W.Q., HOWE, L.G. & VILJOEN, B.D., 1973. 'n Belowende tegniek vir die bepaling van struikbenutting. *Proc. Grassld Soc. sth. Afr.* 8: 129-132.
- AUSTEN, B., 1971. The history of veld burning in the Wankie National Park, Rhodesia. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 277-296.
- AXELROD, D.I., 1970. Mesozoic paleogeography and early Angiosperm history. *Bot. Rev.* 36: 277-319.
- AZANCOT DE MENEZES, O.J., 1965. Estudo fitosociologico e caracteristicas dos pastagens daregiao do Chitado. *Bol. Inst. Invest. Cient. Angola* 2.2: 137-181.
- AZANCOT DE MENEZES, O.J., 1971. Estudo fito-ecologico da regiao do Mucope e carta da vegetacao. *Bol. Inst. Invest. cient. Angola* 8.2: 7-54.
- BACHMANN, F., 1901. *Sud-Afrika: Reisen, Erlebnisse und Beobachtungen waehrend eines sechsjahrigen Aufenthaltes in der Kapkolonie, Natal und Pondoland*. Berlin: Eichblatt. pp. 219.
- BACKHOUSE, J., 1844. *Narrative of a visit to the Mauritius and South Africa*. London: Hamilton, Adams & Co. pp. 648.
- BADENHORST, J.J., 1970. A geographical study of the Cape midlands and Karoo area with special reference to the physiography and elements of land use. Vol. 1. Survey of the Cape. Pretoria: Department of Planning.
- BADENHUIZEN, N.P. & SLINGER, J., 1953. Detection of monofluoroacetic acid in Gifblaar, *Dichapetalum cymosum* (Hook.) Engl. *S. Afr. J. Sci.* 50: 269-270.
- BADER, F., 1960. Die sudhemisphaerischen Coniferen als genetischen, geographischen und oekologischen Florenelement. *Erdkunde* 14: 303-308.
- BAGNOULS, F. & GAUSSEN, H., 1964. Les Climats Tropicaux et le Vegetation. *Adansonia* 4.2: 262-268.
- BAGSHAW-SMITH, L., 1937. Rhenoster bush in the district of Albany. *S. Afr. J. Sci.* 33: 355.
- BAIER, W.B., 1963. Studies on macroclimate and microclimate and their influence on crops (with special reference to Potchefstroom and the Highveld Region). M.Sc.(Agric.) thesis, University of Pretoria.
- BAILLIE, I.C., 1970. Some Swaziland examples of localised control of base levels: the middle Ngwempisi Basin. *S. Afr. geogr. J.* 52: 77-86.
- BAINBRIDGE, W.R., 1965. Distribution of seed in elephant dung (*Acacia*, *Ricinodendron*, *Baikiaea*, *Hyphaene*). *Puku* 3: 173-175.
- BAINES, T., 1864. Explorations in South-West Africa being an account of a journey in the years 1861 and 1862 from Walvisch Bay, on the western coast, to Lake Ngami and the Victoria Falls. London: Longmans. pp. 535.
- BAKER, H.A. & OLIVER, E.G.H., 1967. *Ericas in southern Africa*. Cape Town: Purnell.
- BAKER, J.G., 1867. On the geographical distribution of ferns. *Trans. Linn. Soc. Lond., Bot.* 26: 305-352.
- BALDERSON, G., 1965. A trip to Moremi Game Reserve. *Afr. wild Life* 19: 147-151.
- BALINSKY, B.I., 1962. Patterns of animal distribution on the African continent (summing-up talk). *Ann. Cape Prov. Mus.* 2: 299-310.
- BALL, R.S., 1940. South African grassland investigations. *E. Afr. agric. J.* 5: 146-151 & 221-224.
- BALSINHAS, A., 1971. Observacao sumaria dos pastos e pastagens do concelho de Quelimaine. Instituto de Investigacao Agronomica de Mocambique, Lourenco Marques. Informacao tecnica 35.
- BALSINHAS, A., 1972. Observacao sumaria dos pastos e pastagens de Murroa (Bajone distrito da Zambazia). Instituto de Investigacao Agronomica de Mocambique, Lourenco Marques. Informacao tecnica 49.
- BALSINHAS, A., XAVIER DE BASTOS, A. & MORGADO, J.M., 1973. Combate dos arbustos (Madubula-Bela Vista). Instituto de Investigacao Agronomica de Mocambique, Lourenco Marques. Informacao tecnica 66.
- BANKS, C.H., 1964. Potential vapour losses from a soil-filled lysimeter with natural scrub cover, as affected by herbicides and burning. *For. S. Afr.* No. 4, pp. 37-51.
- BANKS, C.H. & KROMHOUT, C.P., 1966. Notes on the timber of *Burkea africana* with particular reference to material from South West Africa. *For. S. Afr.* No. 7, pp. 17-29.
- BANKS, P.F., 1969. Observations on the June 1968 frost and their effect on plantations and trial plots of exotic trees in Rhodesia. *Rhod. Sci. News* 3.4: 108-113.
- BARBOSA, L.A.G., 1968. Mocambique. *Acta phytogeogr. succ.* 54: 224-232.
- BARCLAY-SMITH, R.W., 1964. A report on the ecology and vegetation of the Great Dyke (Rhodesia) within the Horseshoe intensive conservation area. *Kirkia* 4: 25-34.
- BARENBURG, T.H., 1935. Veld improvement. Seed production. Seed testing. *S. Afr. J. Sci.* 32: 257-267.
- BARKER, M.D., 1960. Analysis of evaporation at Henderson Research Station. *Note Agric. Met. Rhod. Met. Serv.* No 4.
- BARLOW, B.A. & WIENS, D., 1971. The cytogeography of the Loranthaceae mistletoes. *Taxon* 20: 291-312.
- BARNARD, C., 1970. St Lucia - 'n verlore paradys. *Huisgenoot* 42, 2533: 48-52.
- BARNARD, J.L., 1975. Biological nutrient removal without the addition of chemicals. *Wat. Res.* 9: 485-490.
- BARNARD, P.J., 1964. 'n Ekologiese studie van *Setaria neglecta* De Wit. M.Sc. (Agric.) thesis, University of Pretoria.
- BARNARD, W.S., 1964. Die streekspatrone van Suidwes-Afrika. D.Sc. thesis, University of Stellenbosch.

- BARNARD, W.S., SMIT, P. & VAN ZYL, J.A., 1972. Suid-Afrika. Die land en sy streke. Cape Town: Nasou. pp. 370.
- BARNES, C.J.W., 1947. Some trees, shrubs, shrubby herbaceous plants, climbers and water plants. Northern Rhodesia: Government Printer.
- BARNES, D.L., 1956. Veld management studies at the Gwebi College of Agriculture, Southern Rhodesia. M.Sc. thesis, University of the Witwatersrand.
- BARNES, D.L., 1965. The effects of frequency of burning and mattocking on the control of coppice in the Marandellas Sandveld. *Rhod. J. Agric. Res.* 3: 55-56.
- BARNES, D.L., 1968. Dryland pastures. *Rhodesia agric. J.* 65: 6-13.
- BARNES, D.L., 1969. Some thoughts on the needs and possibilities in veld research in Rhodesia. Proceedings of the veld management conference, Bulawayo.
- BARNES, D.L., 1973. The soil-plant-animal complex. A conceptual basis for more effective research. *Proc. Grassld Soc. sth. Afr.* 8: 19-22.
- BARNES, D.L. & FRANKLIN, M.J., 1970. Runoff and soil loss on a sandveld in Rhodesia. *Proc. Grassld Soc. sth. Afr.* 5: 140-144.
- BARNES, J.T., 1972. A list of plants eaten by Nyala - *Tragelaphus angasi* Gray in False Bay Park, Zululand. University of Natal Wildlife Soc. Newsl. 19.
- BARRETO, L.S., 1964. African open forest. *Gazeta Agric. Mocamb.* 16,179: 98-108.
- BARTER, C., 1852. The dorp and veld. London: Orr.
- BARTON WORTHINGTON, E., 1973. The ecology of introductions - a case study from the African Lakes. *Biol. Conserv.* 5,3: 221-222.
- BARTON, E.S., 1893. A provisional list of the marine algae of the Cape of Good Hope. *J. Bot., Lond.* 31: 53-56, 81-84, 110-114, 138-144, 171-177 & 202-210.
- BASILEVSKAYA, N.A., 1929. The resources of plant industry in South Africa. *Bull. appl. Bot. Pl. Breed.* 22: 405-597.
- BASSON, N.C.J., 1971. Damage of natural grazing in the northern Free State by the harvester termite, *Hodotermes mossambicus* Hagen. *Phytophylactica* 4,3: 67-71.
- BATCHELDER, R.B. & HIRT, H.F., 1966. Fire in tropical forests and grasslands. Technical Report 67-41-ES, Boston University.
- BATE, G.C. & HEELAS, B.V., 1975. Studies on the nitrate nutrition of two indigenous Rhodesian grasses. *J. appl. Ecol.* 12: 941-952.
- BAUM, H., 1903. Kunene-Sambesi-Expedition. Berlin: Kolonial-Wirtschaftlichen Komitees.
- BAWDEN, M.G., 1965a. A reconnaissance of the land resources of eastern Bechuanaland. *J. appl. Ecol.* 2: 357-365.
- BAWDEN, M.G., 1965b. Some soils of northern Bechuanaland with a description of the main vegetation zones. Directorate of Overseas Surveys, Tolworth, pp. 46.
- BAWDEN, M.G. & CARROLL, D.M., 1968. The land resources of Lesotho. Land Resource Study No. 3, Directorate of Overseas Surveys, Tolworth, pp. 87.
- BAWDEN, M.G. & STOBBS, A.R., 1963. The land resources of eastern Bechuanaland. Directorate of Overseas Surveys, Tolworth, pp. 93.
- BAYER, A.W., 1922. Some growth form statistics for the genus *Euphorbia*. M.Sc. thesis, University of South Africa.
- BAYER, A.W., 1933. The relationship of vegetation to soil erosion in the Natal thornveld. *S. Afr. J. Sci.* 30: 280-287.
- BAYER, A.W., 1934. Botanical survey (of the Pastures Camp and Vemraam or Dooley Camp near Bergville, Natal). *Onderstepoort J. Vet. Sci.* 2: 687-689.
- BAYER, A.W., 1936. An account of the plant communities of the coast belt and midlands of Zululand. D.Sc. thesis, University of South Africa.
- BAYER, A.W., 1938. An account of the plant ecology of the coast belt and midlands of Zululand. *Ann. Natal Mus.* 8: 371-454.
- BAYER, A.W., 1941. A field method for the transpiration rate of grasses. *Ann. Natal Mus.* 9: 381-390.
- BAYER, A.W., 1943. The thornveld tree: a note on plant adaptation. *S. Afr. J. Sci.* 39: 44-55.
- BAYER, A.W., 1952. Notes on the vegetation of Natal. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 1,7: 2-5.
- BAYER, A.W., 1953a. Notes on the vegetation of Natal. Mangrove forest. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 2,1: 8-11.
- BAYER, A.W., 1953b. Notes on the vegetation of Natal. Evergreen scrub and tree veld. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 2,2: 19-21.
- BAYER, A.W., 1954. Notes on the vegetation of Natal. Swamp Forest. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 2,3: 22-24.
- BAYER, A.W., 1955. The ecology of grasslands. In Meredith, D. (ed.), *The grasses and pastures of South Africa*, pp. 539-550. Johannesburg: Central News Agency.
- BAYER, A.W., 1965a. Chapter on vegetation. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1965b. Report of a visit - January 31 to February 4, 1965 (Dukuduku Forest). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1965c. Report on a visit to the area north of St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1965d. St Lucia Lake Commission, Proposed draft. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1970. Plant ecology in the service of man in southern Africa. *S. Afr. J. Sci.* 66: 71-77.
- BAYER, A.W., 1971. Aspects of Natal's botanical history. *S. Afr. J. Sci.* 67: 401-411.
- BAYER, A.W., 1972. Recommendations of plants suitable for re-vegetation of soil dumps at St Lucia. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1973. Objectives to be achieved for maintenance of the biotic potential of St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1974. Aerial survey - St Lucia vegetation. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., BIGALKE, R.C. & CRASS, R.S., 1968a. Natal. In Hedberg, I. & O. (eds), *Conservation of vegetation in Africa south of the Sahara*, pp. 243-247. Uppsala: Almqvist & Wiksells.
- BAYER, A.W., BIGALKE, R.C. & CRASS, R.S., 1968b. Natal. *Acta phytogeogr. succ.* 54: 243-247.
- BAYER, A.W. & TINLEY, K.L., 1966. The vegetation of the St Lucia Lake area. Report of St Lucia Lake Commission of Inquiry, pp. 344-352.
- BEADLE, L.C., 1974. The inland tropical water of tropical Africa, an introduction to tropical limnology. London: Longmans.
- BEARD, J.S., 1958. The *Protea* species of the summer rainfall area of South Africa. *Bothalia* 7: 41-65.
- BEATER, B.E. & FRANKEL, E., 1966. Alterations in chemical composition during the progressive weathering of Dwyka tillite and dolerite in Natal. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.*, pp. 250-251.
- BEAUCHAMP, R.S.A., 1953. Hydrological data from Lake Nyasa. *J. Ecol.* 41: 226-239.
- BEAVERD, G., 1913. Contributions a la flore de l'Afrique australe, I. *Bull. Soc. bot. Geneve* 2, 5: 325-328.
- BEAVERD, G., 1914. Contributions a la flore de l'Afrique australe, II. *Bull. Soc. bot. Geneve* 2,6: 127-132.
- BECKLEY, V.R.S. & STIVEN, G., 1949. An investigation into the effect of some agricultural practices on some physical properties of the soil at Frankenwald. B.Sc. (Soil Conservation) joint report, University of the Witwatersrand.
- BEEKHUIS, J., 1944. Interception of rain by a stand of *Pinus radiata*. M.Sc. thesis, University of Stellenbosch.
- BEETZE, W., 1933. Geology of South West Angola; between Cunene and Luanda Axis. *Trans. geol. Soc. S. Afr.* 36: 137-176.
- BEETZE, W., 1950. Die geheimnisse des Kunenelaufes in Sudangola und Sudwestafrika. *Erdkunde* 4: 43-54.
- BEGG, G.W., 1970. Limnological observations on Lake Kariba during 1967 with emphasis on some special features. *Limnol. Oceanogr.* 15: 776-788.
- BEGG, G.W., 1971. Preliminary tests using formalin as a possible means of chemically controlling *Salvinia auriculata* and

- other undesirable floating plants in freshwater impoundments. News Lett. Limnol. Soc. sth. Afr. No. 17, pp. 22-26.
- BEGG, G.W., 1972. A critical appraisal of conventional mesh dimensions in plankton sampling methods, after trials with a plankton pump and sand filter apparatus. News Lett. Limnol. Soc. sth. Afr. No. 19, pp. 19-24.
- BEGG, G.W., 1973. The biological consequences of discharge above and below Kariba Dam. Orzieme Congres des Grands Barrages, Madrid. Commission International des Grands Barrages, pp. 421-430.
- BEGLEY, H.V., 1944. A note on the orchids recorded in the neighbourhood of Somerset West, Cape Province. Pamph. S. Afr. biol. Soc. No. 13, pp. 52-59.
- BEMBRIDGE, T.J., 1966. Eradication of thorn trees. Rhodesia agric. J. 63: 86-87.
- BENSON, L., 1970. The status of *Welwitschia mirabilis*. Cactus Succ. J. Am. 40: 200.
- BENSON, M., 1904. The origin of flowering plants. New Phytol. 3: 49-51.
- BENTHAM, G., 1843. Enumeration of Leguminosae indigenous to southern Asia and central and southern Africa. J. Bot., Lond. 2: 423-481 & 559-612.
- BENTHAM, G., 1844. Enumeration of Leguminosae indigenous to southern Asia and central and southern Africa. J. Bot., Lond. 3: 338-365.
- BENTHAM, G., 1848. Enumeration of Leguminosae indigenous to southern Asia and central and southern Africa. J. Bot., Lond. 7: 580-657.
- BERG, O., 1860. Beschreibung einiger neuen Drogwen vom Cap. Bonplandia 8: 190-192.
- BERGER, A., 1904. Die Aloes von Deutsch Sudwestafrika. Mschr. Kakteenk. 14: 159-160.
- BERNSTEIN, S., 1949. Work done on the germination of various Highveld and Bushveld grasses. B.Sc. (Soil Conservation) report, University of the Witwatersrand.
- BERRY, H.J., 1952. Die geologie van die driehoek: Caledon rivier, Jammersbergspruit en Basoetolandgrens, om die dorp Wepener. M.Sc. thesis, University of the Orange Free State.
- BESLER, H., 1972. Geomorphologie der dunen. Namib und Meer. 3: 25-35.
- BEWS, J.W., 1912. The vegetation of Natal. Ann. Natal Mus. 2: 253-332.
- BEWS, J.W., 1913a. An ecological survey of the Midlands of Natal, with special reference to the Pietermaritzburg district. Ann. Natal Mus. 2: 485-545.
- BEWS, J.W., 1913b. The vegetation of Natal. J. Ecol. 1: 75-76.
- BEWS, J.W., 1914. An ecological survey of the Midlands of Natal with special reference to the Pietermaritzburg district. J. Ecol. 2: 206-207.
- BEWS, J.W., 1916a. An account of the chief types of vegetation in South Africa, with notes on the plant succession. J. Ecol. 4: 129-159.
- BEWS, J.W., 1916b. An account of the chief types of vegetation in South Africa, with notes on the plant succession. S. Afr. J. Sci. 13: 599.
- BEWS, J.W., 1917a. South African phytogeography. S. Afr. geogr. J. 1: 11-22.
- BEWS, J.W., 1917b. The growth-forms of Natal plants. Trans. R. Soc. S. Afr. 5: 605-636.
- BEWS, J.W., 1917c. The plant ecology of the Drakensberg Range. Ann. Natal Mus. 3: 511-565.
- BEWS, J.W., 1917d. The plant succession in the thorn veld. S. Afr. J. Sci. 14: 153-172.
- BEWS, J.W., 1918. The grasses and grasslands of South Africa. Pietermaritzburg: Davis, pp. 161.
- BEWS, J.W., 1920a. Plant succession and plant distribution in South Africa. Ann. Bot. 34: 287-297.
- BEWS, J.W., 1920b. The Mont aux Sources National Park. Notes on its vegetation. J. Bot. Soc. S. Afr. 6: 11-13.
- BEWS, J.W., 1920c. The plant ecology of the coast belt of Natal. Ann. Natal Mus. 4: 367-470.
- BEWS, J.W., 1921a. An introduction to the flora of Natal and Zululand. Pietermaritzburg: City Printing Works, pp. 248.
- BEWS, J.W., 1921b. Plant succession and plant distribution in South Africa. J. Ecol. 8: 161.
- BEWS, J.W., 1921c. Some aspects of botany in South Africa and plant ecology in Natal. S. Afr. J. Sci. 18: 63-80.
- BEWS, J.W., 1921d. Some general principles of plant distribution as illustrated by the South African flora. Ann. Bot. 35: 1-36.
- BEWS, J.W., 1922. The south-east African flora: its origin, migrations and evolutionary tendencies. Ann. Bot. 36: 209-223.
- BEWS, J.W., 1923a. Criticisms and suggestions regarding drought in South Africa. S. Afr. J. Sci. 20: 202-203.
- BEWS, J.W., 1923b. Notes on the evolution of plant growth forms. S. Afr. J. Sci. 20: 290-303.
- BEWS, J.W., 1925. Plant forms and their evolution in South Africa. London: Longmans, pp. 408.
- BEWS, J.W., 1926a. The study of forest vegetation in South Africa. In Tansley, A.G. & Chipp, T.F., Aims and methods in the study of vegetation, pp. 314-317. London: British Empire Vegetation Committee.
- BEWS, J.W., 1926b. Survey of climatic grasslands, based on experience in South Africa. In Tansley, A.G. & Chipp, T.F., Aims and methods in the study of vegetation, pp. 341-348. London: British Empire Vegetation Committee.
- BEWS, J.W., 1927a. Ecological evolution of angiosperms. New Phytol. 26: 1-21, 65-84, 129-148, 209-259 & 273-294.
- BEWS, J.W., 1927b. Studies in the ecological evolution of the angiosperms. London: Wheldon & Wesley.
- BEWS, J.W., 1929. The world's grasses. Their differentiation, distribution, economics and ecology. London: Longmans, pp. 408.
- BEWS, J.W., 1931. The ecological viewpoint. S. Afr. J. Sci. 28: 1-15.
- BEWS, J.W. & AITKEN, R.D., 1922. The measurement of the hydrogen-ion concentration in South African soils in relation to plant distribution and other ecological problems. S. Afr. J. Sci. 19: 196-206.
- BEWS, J.W. & AITKEN, R.D., 1923a. Researches on the vegetation of Natal. Series I. Mem. bot. Surv. S. Afr. No. 5, pp. 1-70.
- BEWS, J.W. & AITKEN, R.D., 1923b. Measurement of light intensities in South Africa with special reference to plant habitats. Mem. bot. Surv. S. Afr. No. 5, pp. 33-44.
- BEWS, J.W. & AITKEN, R.D., 1923c. Researches on the vegetation of Natal. S. Afr. J. Sci. 20: 285-289.
- BEWS, J.W. & AITKEN, R.D., 1924. The relation of hydrogen-ion concentration in South African soils in relation to plant distribution and other ecological problems. J. Ecol. 12: 349-350.
- BEWS, J.W. & AITKEN, R.D., 1925. Researches on the vegetation of Natal. Series II. Mem. bot. Surv. S. Afr. No. 8, pp. 65.
- BEWS, J.W. & BAYER, A.W., 1931. Researches on the vegetation of Natal. Series III. S. Afr. J. Sci. 28: 158-179.
- BEZUIDENHOUT, S.J.P.K., 1962. Die verband tussen sekere grondfaktore en die groei, ontwikkeling en sporelementgehalte van twee mesofitiese grassoorte. M.Sc. thesis, Potchefstroom University for CHE.
- BIEGEL, H.M. & MAVI, S., 1972. A Rhodesian botanical dictionary of African and English plant names. Revised and enlarged 2nd edn. Salisbury: Government Printer.
- BIGALKE, R., 1947. The adulteration of the fauna and flora of our National Parks. S. Afr. J. Sci. 43: 221-225.
- BIGALKE, R., 1950. Wildbewing in die Unie van Suid-Afrika. Fauna Flora, Pretoria 1: 5-9.
- BIGALKE, R.C., 1961. Some observations on the ecology of the Etosha Game Park, South West Africa. Ann. Cape Prov. Mus. 1: 49-67.
- BIGALKE, R.C., 1968. Nature conservation in the Transvaal. Nature Conservation Branch Transvaal Bull. 2, pp. 39.
- BIGALKE, R.C., 1971. Biological monitoring in the St Lucia Lake System. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BINNS, B., 1968a. A first checklist of the herbaceous flora of Malawi. Zomba: Government Printer.
- BINNS, B., 1968b. Crop plants of Malawi. Limbe: Soche Hill College (cyclostyled).
- BINNS, B., 1969. Weed plants of Malawi. Limbe: Soche Hill College (cyclostyled).
- BINNS, B., 1972. Dictionary of plant names in Malawi. Zomba: Government Printer.
- BIOLOGIST KRUGER NATIONAL PARK, 1960a. Flora: A. General. B. The herbarium and botanical surveys. C.

- Exotic plants and experiments on eradication. Koedoe 3: 102-113.
- BIOLOGIST KRUGER NATIONAL PARK, 1960b. Grazing habits of mammals in the Kruger National Park. Koedoe 3: 127-167.
- BIOLOGIST KRUGER NATIONAL PARK, 1960c. Veld burning. Koedoe 3: 173-194.
- BIRD, A., 1975. Arabella Roupell. Pioneer artist of Cape flowers. Johannesburg: South Africa Natural History Publication.
- BIROT, P., GODARD, A., PETIT, M. & TERS, M., 1974. Contribution à l'étude des surfaces d'aplanissement et de l'érosion différentielle dans le Transvaal septentrional et oriental (Afrique du Sud). Revue Geogr. phys. Geol. dyn. 2, 16: 421-454.
- BLACK, E.M., 1939. A study of the vegetative anatomy of *Ziziphus zeyheriana*. University of the Witwatersrand.
- BLAGRAVE, T.C., 1860. South African ferns. (Hand written manuscript.) Botanical Research Institute Library, Pretoria.
- BLAIR RAINS, A. & MC KAY, A.D., 1968. The northern state lands, Botswana. Land Resource Study No. 5, Directorate of Overseas Surveys, Tolworth, pp. 125.
- BLAIR RAINS, A. & YALALA, A.M., 1972. The central and southern state lands, Botswana. Land Resource Study No. 11, Directorate of Overseas Surveys, Tolworth, pp. 118.
- BLERSCH, F., 1906. Handbook of agriculture with special reference to the requirements of South Africa. Cape Town: Juta, pp. 437.
- BLOMMAERT, K.L.J., 1950. The plant *Tephrosia vogelii* Hook. as a freshwater fish poison. Trans. R. Soc. S. Afr. 32: 247-264.
- BOLITHO, V., 1972. The framework of water and solid wastes pollution control. South African Chemical and Engineering Age 9, Aug. pp. 3-4.
- BOLTT, R.E., HILL, B.J. & FORBES, A.T., 1969. The benthos of some southern African Lakes. Part I: Distribution of aquatic macrophytes and fish in Lake Sibayi. Trans R. Soc. S. Afr. 38: 241-248.
- BOLUS, F. & BOLUS, L., 1917. Native trees and tree-shrubs of Kirstenbosch. J. bot. Soc. S. Afr. 3: 12-22.
- BOLUS, F., BOLUS, H.M.L. & GLOVER, R., 1915. Flowering plants and ferns collected on the Great Karasberg by the Percy Sladen Memorial Expedition 1912-1913. Ann. Bolus Herb. 1: 9-19, 72-75 & 97-114.
- BOLUS, H. & KENSIT, L., 1910. Contribution to the African flora. Trans. R. Soc. S. Afr., pp. 147-164.
- BOLUS, H. & WOLLEY-DOD, A.H., 1903. A list of the flowering plants and ferns of the Cape Peninsula, with notes on some of the critical species. Trans S. Afr. phil. Soc. 14: 207-373.
- BOLUS, H., 1884. Contributions to South African botany. J. Linn. Soc. (Bot.) 20: 467-488.
- BOLUS, H., 1886. Sketch of the flora of South Africa. In Official Handbook of the Cape of Good Hope, pp. 286-317 Cape Town: Richards.
- BOLUS, H., 1888a. Contributions to South African botany. - Part 3. J. Linn. Soc. (Bot.) 24: 171-187.
- BOLUS, H., 1888b. Grundzuge der flora von Sudafrica. Leipzig: Quandt & Handel, pp. 43.
- BOLUS, H., 1889. Contributions to South African botany. - Part 4 (with a revised list of published species of extra-tropical South African orchids). J. Linn. Soc. (Bot.) 25: 156-210.
- BOLUS, H., 1894. Contributions to the flora of South Africa. 1 - Ericaceae. J. Bot., Lond. 32: 233-240.
- BOLUS, H., 1896. Contributions to the flora of South Africa. 2. J. Bot., Lond. 34: 16-25.
- BOLUS, H., 1905. Sketch of the floral regions of South Africa. In Flint, W. & Gilchrist, J.D.F., Science in South Africa, a handbook and review, pp. 198-240. Cape Town: Maskew Miller.
- BOLUS, H., 1918. The orchids of the Cape Peninsula. 2nd edn. Cape Town: Dartner, pp. 142.
- BOLUS, H., GUTHRIE, F. & BROWN, N.E., 1906. Ericaceae. Flora Capensis 4, 1: 2-418.
- BOLUS, H.M.L., 1923. Novitates africanae. Ann. Bolus Herb. 3: 1-14, 70-85, 123-146 & 159-184.
- BOLUS, H.M.L., 1928. Novitates africanae. Ann. Bolus Herb. 4: 1-30, 37-55, 69-119 & 123-137.
- BOLUS, H.M.L., BARCLAY, D. & STEER, E.J., 1936. A second book of South African flowers. Cape Town: Speciality Press.
- BOND, G., 1964. Pleistocene environments in southern Africa. In Clark Howell, F. & Bouliere, F., African ecology and human evolution. London: Methuen.
- BOND, G., 1965. Preliminary observations on the development of shoreline features on Lake Kariba. Lake Kariba Fish Res. Inst. Symp. Kariba.
- BOND, G., 1967. River morphology, stratigraphy and palaeoclimatology in southern Africa. In Bishop, W.W. & Clark, J.D. (eds), Background to evolution in Africa, pp. 303-311, Chicago: University of Chicago Press.
- BOND, G., 1971. Fixation of nitrogen in two African species of *Myrica*. New Phytol. 70, 1: 1-8.
- BOND, J., 1955. The barren lands of the copperbelt. Veldtrust 16, 3: 16-17 & 27.
- BONSMMA, J.C., 1942. Useful bushveld trees and shrubs. Fmg S. Afr. 17: 226-239.
- BONSMMA, J.C., 1949. Ecological animal husbandry research and its application in maintaining a permanent pastoral industry. Sci. Bull. Dep. Agric. Un. S. Afr. No. 307, pp. 24.
- BONSMMA, J.C. & GALPIN, E.A., 1952a. Know your farm by its trees. Farmer's Weekly, Bloemfontein, 13 Feb., pp. 14-17.
- BONSMMA, J.C. & GALPIN, E.A., 1952b. King of South African trees. Farmer's Weekly, Bloemfontein, 12 Mar., pp. 14-17.
- BOOCOOCK, C. & VAN STRATEN, O.J., 1962. Notes on the geology and hydrogeology of the Central Kalahari Region, Bechuanaland Protectorate. Trans. Proc. geol. Soc. S. Afr. 65, 1: 125-176.
- BOOYSEN, P. DE V., 1955. An investigation into the effects of certain fertilizers on the yield and protein content of hay and the botanical composition of the veld. M.Sc. thesis, University of Natal.
- BOOYSEN, P. DE V., 1956. In grassveld management it is principles that count and not systems. Fmg S. Afr. 32, 7: 34-40.
- BOOYSEN, P. DE V., 1967. Grazing and grazing management terminology in southern Africa. Proc. Grassl Soc. sth. Afr. 2: 45-57.
- BOOYSEN, P. DE V., 1969. An analysis of the fundamentals of grazing management systems. Proc. Grassl Soc. sth. Afr. 4: 84-91.
- BOOYSEN, P. DE V., 1971. Produktiwiteit en intensifisering van weiding. Proc. Grassl Soc. sth. Afr. 6: 51-56.
- BOOYSEN, P. DE V., 1972. Pastoral productivity and intensification. Proc. Grassl Soc. sth. Afr. 7: 51-55.
- BOOYSEN, P. DE V., TANTON, N.M. & FORAN, B.D., 1975. An economic solution to the grazing management dilemma. Proc. Grassl Soc. sth. Afr. 10: 77-83.
- BOOYSEN, P. DE V., TANTON, N.M. & SCOTT, J.D., 1963. Shoot-apex development in grasses and its importance in grassland management. Herb. Abstr. 33: 209-213.
- BORCHERT, G., 1963. Sudost-Angola. Landschaft, Landschafts-haushalt und entwicklungsmöglichkeiten im Vergleich zum zentralen Hochland von Mittel-Angola. Hamburger geogr. Stud. 1: 1-131.
- BORNMAN, C.H., 1971. *Welwitschia* rediscovered. Lantern 20, 3: 2-9.
- BORNMAN, C.H., 1972. *Welwitschia mirabilis*: paradox of the Namib Desert. Endeavour 31, 113: 95-99.
- BORNMAN, C.H., 1975. Studies in plant morphogenesis. D.Sc. thesis, University of Natal.
- BORNMAN, C.H., BOTHA, C.E.J. & NASH, L.J., 1973. *Welwitschia mirabilis*: observations on movement of water and assimilates under fohn and fog conditions. Madoqua, ser. II, 2: 25-31.
- BORNMAN, C.H., ELSWORTHY, J.A., BUTLER, V. & BOTHA, C.E.J., 1972. *Welwitschia mirabilis*: observations on general habitat, seed, seedling and leaf characteristics. Madoqua, ser. II, 1: 53-66.
- BORNMAN, H. & HARDY, D., 1971. Aloes of the South African veld. Johannesburg: Voortrekkerpers.
- BOSAZZA, V.L., ADIE, R.J. & BRENNER, S., 1946. Man and the Great Kalahari Desert. J. Natal Univ. Coll. scient. Soc. 5: 6-12.
- BOSCH, O.J.H., 1971. 'n Ekologiese ondersoek van die plantegroei van 'n gedeelte van die laer Krokodilriviervallei noordwes van Thabazimbi, met besondere aandag aan die bodemkundige aspek. M.Sc. thesis, Potchefstroom University for CHE.
- BOSCH, O.J.H., 1974. Die wisselwerking tussen die habitat en 'n aantal grasmegenskappe in die suidoostelike

- Oranje-Vrystaat. D.Sc. thesis, Potchefstroom University for CHE.
- BOSCH, O.J.H. & VAN WYK, J.J.P., 1970. The influence of bushveld trees on the productivity of *Panicum maximum*: a preliminary report. Proc. Grassld Soc. sth. Afr. 5: 69-74.
- BOSS, G., 1924. Aus den pflanzenleben Sudwest-Afrikas. Windhoek: John Meinert. pp. 145.
- BOSS, G., 1934. Die giftplanzen Sudwestafrikas. Kalkfeld: Sudwest- Persioner- Verkaufs- Gesellschaft. pp. 35.
- BOSS, G., 1937. Poikilohydre pflanzen in Sudwest afrika. S. Afr. J. Sci. 34: 291-302.
- BOSS, G. & GREEF, M.H., 1937. Oor die plantegroei van Suidwes-Afrika. Windhoek: John Meinert. pp. 206.
- BOTELHO DA COSTA, S.V., 1953. Solos de Angola, Min de Ultramar. Mem. Ser. Pedologia. Tropical I.
- BOTHA, A.D.P., 1963. Die invloed van gras (*Eragrostis curvula*) op die amonium en nitraatstikstof in 'n swart kleigrond. S. Afr. J. agric. Sci. 6: 3-19.
- BOTHA, A.D.P., SNYMAN, H.G., HAHNE, N.C.H. et al., 1968. Eienskappe van die gronde van die Navorsingsinstituut vir Tabak, Rustenburg. Teg. Meded. Dep. Landbteg. Dienste, Pretoria, No. 74, pp. 35.
- BOTHA, A.D.P., SNYMAN, H.G. & STEENKAMP, C.J., 1966. 'n Ondersoek van die gronde in die tabakproduserende gebied van die Katriviervallei. Teg. Meded. Dep. Landbteg. Dienste, Pretoria, No. 54, pp. 43.
- BOTHA, A.D.P. & STEENKAMP, C.J., 1967. 'n Ondersoek van die tabakproduserende gronde van die Ohrigstadvallei. Teg. Meded. Dep. Landbteg. Dienste, Pretoria, No. 62, pp. 26.
- BOTHA, B.J.V. & VISSER, J.N.J., 1970. Fossielboomstamme in die distrik Senekal. Tydskrif vir Natuurwetenskappe 10, 3: 201-212.
- BOTHA, C.G., 1924. Note on early veld burning in the Cape Colony. S. Afr. J. Sci. 21: 351-352.
- BOTHA, D.P., 1970. Grondkartering in Suid-Afrika met behulp van gekleurde vertikale lugfotos. F.S.S.A.J. 2: 26-27.
- BOTHA, J.P., 1936. Pasture studies in the Fauresmith and adjoining districts of the O.F.S. with special reference to the composition and nutritive value of some typical pasture plants of these areas. M.Sc. thesis, University of Pretoria.
- BOTHA, J.P., 1938. The digestibility and nutritive value of Karoo pasture plants. Fmg S. Afr. 13: 63-65, 101-102, 141, 163, 198-199, 235-237.
- BOTHA, J.P., 1945. The burning of veld. Fmg S. Afr. 20: 404-409.
- BOTHA, J.P., 1953. Veldbeheerstudies op die Suurveld van Oos-Transvaal. D.Sc. (Agric.) thesis, University of Pretoria. pp. 375.
- BOTHA, J.P., 1957a. Grasveldtipes en weiveldbenutting. In Hulpboek vir boere in Suid-Afrika 3: 625-632. Pretoria: Department of Agriculture.
- BOTHA, J.P., 1957b. Veld management, pastures and feeds, types of grassveld and the utilization of pasture. In Handbook for farmers in South Africa. Vol. 3. Pretoria: Department of Agriculture.
- BOTHA, T., LAKER, M.C. & BURGER, R. Du T., 1972. The relationship between resin-extractable phosphorus and phosphate potentials for soils of the Hutton and Clovelly forms. Agrochemophysica 4,4: 77-82.
- BOTHMA, J. DU P. & DE GRAAFF, G., 1973. A habitat map of the Kalahari Gemsbok National Park. Koedoe 16: 181-188.
- BOTSWANA. VEGETATION, 1970. Provisional vegetation types. 1:3 000 000. Gaborone: Government Printer.
- BOUCHER, C., 1972. The vegetation of the Cape Hangklip area. M.Sc. thesis, University of Cape Town.
- BOUCHER, C., 1974. Dune vegetation in the south-western Cape. Veld & Flora 4: 67-69.
- BOUGHEY, A.S., 1956. The vegetation types of the Federation. Proc. Trans. Rhod. scient. Ass. 45: 73-91.
- BOUGHEY, A.S., 1960. Man and the African environment. Proc. Trans. Rhod. scient. Ass. 48: 8-18.
- BOUGHEY, A.S., 1961. The vegetation types of Southern Rhodesia: a re-assessment. Proc. Trans. Rhod. scient. Ass. 49: 54-98.
- BOUGHEY, A.S., 1963a. The interaction between game animals, vegetation and fire in Southern Rhodesia. Ohio J. Sci. 63: 193-209.
- BOUGHEY, A.S., 1963b. The explosive development of a floating weed vegetation on Lake Kariba. Adansonia 3: 49-61.
- BOUGHEY, A.S., 1964a. A check-list of the trees of Southern Rhodesia. JI S. Afr. Bot. 30: 151-176.
- BOUGHEY, A.S., 1964b. Deciduous thicket communities in Northern Rhodesia. Adansonia 4: 239-261.
- BOUGHEY, A.S., 1965a. Toxin secretion by savanna grasses. In Abstracts of papers for presentation at the Riverside meetings with the Pacific Division, 21-24 June 1965. Bull. ecol. Soc. Am. 46,2: 44-45.
- BOUGHEY, A.S., 1965b. Early shore line vegetation on Lake Kariba. Lake Kariba Fish Res. Inst. Symp., Kariba.
- BOUGHEY, A.S., MUNRO, P.E. & MEIKLEJOHN, J., 1964. Antibiotic reactions between African savanna species. Nature, Lond. 203: 1302-1303.
- BOURQUIN, O., 1973. Utilization and aspects of management of the Willem Pretorius Game Reserve. J. sth. Afr. Wildl. Mgmt Ass. 3: 65-74.
- BOURREIL, P., 1970. Reflexions sur l'ecologie, la morphogenese et l'evolution, fondees sur a culture d'*Aristida rhinoclhoa*. Graminee Tropicale Africaine. Adansonia ser. 2 10,3: 409-427.
- BOWIE, J., 1830. Sketches of the botany of South Africa. S. Afr. Quart. J. I: 27-36.
- BOWKER, A.I., 1933. Deterioration in South African vegetation and soil. B.Sc. report, University of the Witwatersrand.
- BOWMAKER, A.P., 1968. Preliminary observations on some aspects of the hydrobiology of the Sinamwenda Estuary. Lake Kariba. Proc. Trans. Rhod. scient. Ass. 53: 3-8.
- BOWMAKER, A.P., 1973a. Hydrophyte dynamics in Mwenda Bay, Lake Kariba. Kariba Studies 3: 42-59.
- BOWMAKER, A.P.M., 1973b. A hydrobiological study of the Mwenda River and its mouth, Lake Kariba. Ph.D. thesis, University of the Witwatersrand.
- BRADLOW, F.R., 1965. Baron von Ludwig and the Ludwig's-burg Garden. A chronicle of the Cape from 1806-1848 with an appendix showing some of the horticultural introductions of Baron von Ludwig. Cape Town: Balkema. pp.124.
- BRAIN, C.K., 1924. Host plant index of South African scale insects (Coccidae). Annale Univ. Stellenbosch Serie A 2,2: 1-44.
- BRAIN, C.K., 1939. Trees and wild flowers of the Rhodesian farm. Rhodesia agric. J. 36: 502-504.
- BRAIN, C.K., 1951. The interrelationship of soil, water and vegetation. Farmer's Weekly, Durban, 3 Oct. pp. 12-15.
- BRAINE, C.D.H., 1908. Influence of forests on natural water-supply. Rep. S. Afr. Ass. Advmt Sci. 1908: 111-133.
- BRAMMER, H., 1973. Mapping soils and topography in a small hilly drainage basin at Cathedral Peak Mountain Catchment Research Station. Jnr (Geography) thesis, University of Natal.
- BRAND, P.A.J., KEMP, P.H., OLIFF, W.D. & PRETORIUS, S.J., 1967. Water quality and abatement of pollution in Natal rivers. Part 3. The Tugela River and its tributaries. Natal Town & Regional Planning Commission Report 13,1, Pietermaritzburg.
- BRAND, P.A.J., KEMP, P.H., PRETORIUS, S.J. & SCHOONBEE, H.J., 1967a. Water quality and abatement of pollution in Natal rivers. Part. 1. Objectives of river surveys, description of methods used and discussion of water quality criteria. Natal Town & Regional Planning Commission Report 13,1, Pietermaritzburg.
- BRAND, P.A.J., KEMP, P.H., PRETORIUS, S.J. & SCHOONBEE, H.J., 1967b. Water quality and abatement of pollution in Natal rivers. Part 2. Survey of the Three Rivers region. Natal Town & Regional Planning Commission Report 13,1, Pietermaritzburg.
- BRANDMULLER, E., 1926. Prickly comfrey (*Symphytum asperum* Donn.) as a fodder crop. Fmg S. Afr. 1: 275-276.
- BRASS, L.J., 1948. Plant hunting in Nyasaland. JI N.Y. bot. Gdn 49: 105-119 & 129-137.
- BRASS, L.J., 1953. Vegetation of Nyasaland. Report of the Vernay Nyasaland expedition of 1946. Mem. N.Y. bot. Gdn 8: 161-190.
- BRAYSHAW, E.C. & HERBST, E.S., 1963. The effect of temperature, nutrients and water status on soil aggregation of sandy Highveld soils. B.Sc. report, University of the Witwatersrand.

- BREDENKAMP, G.J., 1975a. 'n Plantsosiologiese studie van die Suikerbosrandnatuurrreservaat. M.Sc. thesis, University of Pretoria.
- BREDENKAMP, G.J., 1975b. Plant communities of the Suikerbosrand Nature Reserve, Transvaal. S. Afr. J. Sci. 71: 30-31.
- BREEN, C.M., 1971. An account of the plant ecology of the dune forest at Lake Sibayi. Trans. R. Soc. S. Afr. 39: 223-234.
- BREEN, C.M., 1973. Ecological implications of recent research on the genus *Volvox*. News Lett. Limnol. Soc. sth. Afr. No. 20, pp. 23-27.
- BREEN, C.M. & HEEG, J., 1974. Pongola research 1974: progress report. St Lucia Documentation Centre, Natal Parks Boards, St Lucia Estuary.
- BREEN, C.M. & HILL, B.J., 1969. A mass mortality of mangroves in Kosi Estuary. Trans. R. Soc. S. Afr. 38: 285-303.
- BREEN, C.M. & JONES, I.D., 1971. A preliminary list of Angiosperms collected in the vicinity of Lake Sibayi. Trans. R. Soc. S. Afr. 39: 235-245.
- BREMEKAMP, C.E.B., 1924. Evolution - the botanical aspect. S. Afr. J. nat. Hist. 6: 98-100.
- BREMEKAMP, C.E.B., 1926. On the opening mechanism of the Acanthaceae fruit. S. Afr. J. Sci. 23: 488-491.
- BREMEKAMP, C.E.B., 1932. Merkwürdige sukkulententypen aus dem nördlichen Transvaal. Vegetationsbilder 23: 13-18.
- BREMEKAMP, C.E.B., 1933. New or otherwise noteworthy plants from the northern Transvaal. Ann. Transv. Mus. 15: 233-264.
- BREMEKAMP, C.E.B., 1935a. Scientific results of the Vernay-Lang Kalahari expedition, March to September, 1930. The origin of the flora of the central Kalahari. Ann. Transv. Mus. 16: 443-455.
- BREMEKAMP, C.E.B., 1935b. Scientific results of the Vernay-Lang Kalahari expedition, March to September, 1930. Views of the vegetation of the central Kalahari. Ann. Transv. Mus. 16: 457-458.
- BREMEKAMP, C.E.B. & OBERMEYER, A.A., 1935. Scientific results of the Vernay-Lang Kalahari Expedition, March to September, 1930. Sertum Kalahariense, a list of the plants collected. Ann. Transv. Mus. 16: 399-442.
- BRENAN, J.P.M. et al., 1953. Plants collected by the Vernay Nyasaland Expedition of 1946. Mem. N.Y. bot. Gdn 8: 191-256.
- BRENAN, J.P.M. et al., 1954. Plants collected by the Vernay Nyasaland Expedition of 1949. Men. N.Y. bot. Gdn. 9: 1-132.
- BRENCHLEY, G.H., 1970. Some uses of aerial photography in agriculture. Agric. Prog. 45: 43-47.
- BRETT, P.G.C., 1938. The assimilation and respiration rates of some Natal grasses. M.Sc. thesis, University of South Africa.
- BRETT, P.G.C., 1942. The assimilation and respiration rates of some Natal grasses. S. Afr. J. Sci. 38: 158-171.
- BREUIL, H., 1944. The old Palaeolithic Age in relation to Quaternary sea-levels along the southern coast of Africa. S. Afr. J. Sci. 41: 361-374.
- BREVIS, J.G., 1954. Soil types of Highveld region. Fmg S. Afr. 29: 406-414.
- BRIDGENS, A.B., 1948. A study of various methods of creating an indigenous grass sward under Highveld conditions. B.Sc. (Soil Conservation) report, University of the Witwatersrand.
- BRITTEN, J. et al., 1894. The plants of Milanji, Nyasaland, collected by Mr Alexander Whyte. Trans. Linn. Soc. Lond. 4.2: 1-67.
- BRITTON, P., 1972. A report on the proposed nature reserve at Swartklip. B.Sc. project, University of Stellenbosch.
- BROADLEY, D.G., 1974. The Lusitu Forest. Wild Rhodesia 3: 17.
- BROCKINGTON, N.R., 1960. Studies of the growth of a *Hyparrhenia*-dominant grassland in Northern Rhodesia. Part 1 and 2. J. Brit. Grassld Soc. 15.4: 323-338.
- BROCKINGTON, N.R., 1961. Studies of the growth of a *Hyparrhenia*-dominant grassland in Northern Rhodesia. Part 2 & 3. J. Brit. Grassld Soc. 16.1: 54-64.
- BROEKHUYSEN, G.J. & TAYLOR, H., 1959. The ecology of South African estuaries. Part 8. Kosi Bay estuary system. Ann. S. Afr. Mus. 44: 279-296.
- BROMWICH, M., 1972. The effect of introducing permanent water into a seasonal pan on game and vegetation. Certificate in Field Ecology Research Report, University of Rhodesia.
- BROOK, G.A. & MAMETSE, M.N., 1970. Rainfall trend patterns in South Africa. S. Afr. geogr. J. 52: 134-138.
- BROOMBERG, B., 1973. Trees of the Gwaai Valley. Trees S. Afr. 25: 43-47.
- BROTHERUS, V.F., 1913. Musci in Brunth. Ergebh. einer botanischen Forschungsreise nach Deutsch-Ostafrika und Sudafrika. Denkschr. Akad. Wiss., Wien 88: 734-743.
- BROWN, A.C., 1953. A preliminary investigation of the ecology of the larger Kleinmond River estuary, Bathurst district. M.Sc. thesis, Rhodes University.
- BROWN, A.C., 1959. The ecology of South African estuaries. 9. Notes on the estuary of the Orange River. Trans. R. Soc. S. Afr. 35: 463-473.
- BROWN, D., 1954. Methods of surveying and measuring vegetation. Bull. Commonw. Bur. Past. Fld Crops No. 42, pp. 223.
- BROWN, H.D. 1963. The Namib - a living desert. JI S. Afr. biol. Soc. 4: 35-40.
- BROWN, H.D., 1970. From the Caprivi to the Cunene. JI S. Afr. biol. Soc. 11: 29-31.
- BROWN, J.C., 1875. Hydrology of South Africa. London: Henry S. King.
- BROWN, J.C., 1877a. Forest and moisture; on effects of forests on humidity of climate. Edinburgh: Oliver & Boyd.
- BROWN, J.C., 1877b. Water supply of South Africa. Edinburgh: Oliver & Boyd.
- BROWN, J.C., 1881. Forests in South Africa. Trans. R. Scott. arboric. Soc. 9: 45-52.
- BROWN, J.C., 1887. Management of Crown Forests at the Cape of Good Hope. Edinburgh: Oliver & Boyd. pp. 352.
- BROWN, L., 1965. Africa. A natural history. New York: Random House. pp. 300.
- BROWN, M.E., 1971. Water abstraction and conservation of aquatic habitats. News Lett. Limnol. Soc. sth. Afr. No. 17, pp. 10-12.
- BROWN, N.A.C., 1965. A study of seed coat impermeability, seed germination and seedling growth in certain *Acacia* spp. M.Sc. (Agric.) thesis, University of Natal.
- BROWN, N.A.C. & BOOYSEN, P. DE V., 1967. Seed germination and seedling growth of two *Acacia* species under field conditions in grassveld. S. Afr. J. agric. Sci. 10: 659-666.
- BROWN, N.A.C. & VAN STADEN, J., 1973. The effect of scarification, leaching, light, stratification, oxygen and applied hormones on germination of *Protea compacta* R.Br. and *Leucadendron daphnioides* Meisn. JI S. Afr. Bot. 39: 185-195.
- BROWN, N.E., 1909. A list of plants collected in Ngamiland and Chobe. Bull. misc. Inf. R. bot. Gdns Kew 3: 89-146.
- BROWN, P. & YOUNG, A., 1964. The physical environment of Central Malawi. Zomba: Government Printer. pp. 93.
- BROWN, R.C., 1974. Climate and climatic trends in the Ghanzi District. Botswana Notes and Records 6: 133-146.
- BROWN, W.R., 1923. The mesquite (*Prosopis juliflora*): a famine fodder for the Karoo. J. Dep. Agric. Un. S. Afr. 6: 62-67.
- BROWN, W.V., 1958. Apomixis as related to geographical distribution in the panicoid grass tribes. JI S. Afr. Bot. 24: 191-200.
- BROWNLEE, A.T.T., 1937. Some investigations into the water relations of *Digitaria seriata* Stapf. M.Sc. thesis, University of the Witwatersrand.
- BRUECKNER, A.E., 1943. Transpiration studies on some Natal midlands thornveld trees. 2 vols. M.Sc. thesis, University of South Africa.
- BRUECKNER, A.E. 1945. Transpiration studies of some Natal midlands thornveld trees. S. Afr. J. Sci. 41: 186-193.
- BRUNNTHALER, J., 1911. Vegetationsbilder aus Sudafrika (Karoo und Dornbusch). Vegetationsbilder 9: 19-30.
- BRUNNTHALER, J., 1913. Ergebnisse einer botanischen Forschungsreise nach Deutsch-ostafrika und Sudafrika (Kapland, Natal und Rhodesien). I. Denkschr. Akad. Wiss., Wien 88: 711-743.
- BRUTON, M.N. & APPLETON, C.C., 1975. Survey of Mgobezeleni Lake system in Zululand, with a note on the effect of a bridge on the mangrove swamp. Trans. R. Soc. S. Afr. 41.3: 283-294.

- BRYANT, E.G., 1924. The growth of fodder bushes. S. Afr. J. nat. Hist. 6: 56-60.
- BRYANT, N.R., 1943. A survey of Dodder (*Cuscuta*) in South Africa with particular reference to the Eastern Province. M.Sc. thesis, Rhodes University. pp. 58.
- BRYNARD, A.M., 1954. 'n Fisiologies-ekologiese studie van *Senecio retrorsus* DC. met spesiale verwysing na die *Senecio*-probleem in Oos-Kaapland. M.Sc. thesis, Potchefstroom University for CHE.
- BRYNARD, A.M., 1958. Verslag insake voorlopige ondersoek rakende toestand in die Nasionale Kalahari-gemsbokpark. Koedoe 1: 162-183.
- BRYNARD, A.M., 1961. A supplementary check-list of plants recorded in the Kruger National Park. Koedoe 4: 110-116.
- BRYNARD, A.M., 1964. The influence of veld burning on the vegetation and game of the Kruger National Park. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 371-393. The Hague: Junk.
- BRYNARD, A.M., 1972. Controlled burning in the Kruger National Park - history and development of a veld burning policy. In Fire in Africa, pp. 219-231. Proceedings Annual Tall Timbers, Fire Ecology Conference 11.
- BRYNARD, A.M., 1974. Die mens en sy omgewing met spesiale verwysing na die mens se direkte of indirekte invloed op die natuurlike omgewing en die bodem. Proc. Grassld Soc. sth. Afr. 9: 13-18.
- BRYNARD, A.M. & PIENAAR, U. DE V., 1960. Annual report of the biologist, Kruger National Park, 1958/1959. Koedoe 3: 1-205.
- BUCHANAN, K. & HURWITZ, N., 1951. Land use in Natal. Econ. Geogr. 27: 222-237.
- BUHNEN, A., 1974. Sketches of certain flora from St Lucia and surrounding area. (Mapelane: Dukuduku). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BUITENDIAG, E., 1973. Vegetation of the Lowveld. J. bot. Soc. S. Afr. 59: 45-50.
- BULLOCK, A.A., 1952. South African poisonous plants. Kew Bull. pp. 117-129.
- BUNBURY, C.J.F., 1842. Botanical excursions in South Africa. Hooker, Lond. J. Bot. 1: 549-570.
- BUNBURY, C.J.F., 1843. Botanical excursions in South Africa. Hooker, Lond. J. Bot. 2: 15-41.
- BUNBURY, C.J.F., 1844. Botanical excursions in South Africa. Hooker, Lond. J. Bot. 3: 242-263.
- BUNTING, A.H., 1938. 1. The effect of combined clipping and chemical treatments on the root reserves and development of some Highveld grasses. 2. Studies in the germination of the seeds of Rhodes grass, *Chloris gayana*. M.Sc. thesis, University of Witwatersrand.
- BUNYARD, E.A., 1927. Two valleys in the western Cape Province. Gdnrs Chron. 82: 110-111.
- BURBRIDGE, A.B., 1938. Uncontrolled grass and forest fires and their prevention. Bulletin 1081, Department of Agriculture, Southern Rhodesia.
- BURCHELL, W.J., 1824. Travels in the interior of Southern Africa. Vol. 2. London: Longman. pp. 648.
- BURDECKA, J.M., 1972a. Bibliography of regional meteorological literature. Vol. 2. Southern Africa 1948-1960. Pretoria: Department of Transport, Weather Bureau, WB 34. pp. 388.
- BURDECKA, J.M., 1972b. Bibliography of regional meteorological literature. Vol. 4. Republic of South Africa and adjacent territories 1960-1972. Pretoria: Department of Transport, Weather Bureau, WB 34.
- BURGER, G., 1969. The Woodbush Forest Reserve. Trees S. Afr. 21,4: 90-98.
- BURGER, G., 1972. Rochdale. Trees S. Afr. 24: 58-66.
- BURGER, S.J., 1974. Ontkieming-, voeding- en ontblaringstudies op *Anthephora pubescens* Nees. M.Sc. (Agric.) thesis, University of Pretoria.
- BURMAN, J., 1970. Waters of the Western Cape. Cape Town: Human & Rousseau.
- BURMANN, N.L., 1768. Florae Capensis Prodromus. In Burmann, N.L., Flora Indica, pp. 1-28. Leyden: Haek.
- BURROWS, R.C., 1974. Aerial survey and South African forestry. S. Afr. for. J. 90: 11-13.
- BURSELL, E., 1970. Pollution. Rhod. Sci. News 4: 9-280.
- BURTON, A.J., 1957. Some apparatus and methods for quantitative ecological work. S. Afr. J. Sci. 53: 206-209.
- BURTT DAVY, J., 1903. Notes on the vegetation of the Transvaal. Science 63: 696-699.
- BURTT DAVY, J., 1904. Alien plants spontaneous in the Transvaal. Rep. S. Afr. Ass. Advmt Sci. 2: 252-299.
- BURTT DAVY, J., 1905a. The climate and life zones of the Transvaal. Transv. agric. J. 4: 114-134.
- BURTT DAVY, J., 1905b. Comparative notes on the vegetation of Matebeleland, Bechuanaland and the Transvaal. Transv. agric. J. 4: 134-141.
- BURTT DAVY, J., 1905c. Notes on the native flora and crops of the eastern Transvaal. Transv. agric. J. 4: 141-147.
- BURTT DAVY, J., 1905d. The climate and life-zones of the Transvaal. Rep. S. Afr. Ass. Advmt.Sci. 3: 513-538.
- BURTT DAVY, J., 1907. Native trees of the Transvaal. Transv. agric. J. 5: 413-433.
- BURTT DAVY, J., 1908. Notes on some Transvaal trees and shrubs. Bull. misc. Inf. R. bot. Gdns Kew 4: 145-175.
- BURTT DAVY, J., 1917. Proposal for an organized botanical survey of South Africa. Rep. S. Afr. Ass. Advmt Sci. 15: 64-82.
- BURTT DAVY, J., 1918. Additions and corrections to the recorded flora of the Transvaal and Swaziland. S. Afr. J. Sci. 15: 507-571.
- BURTT DAVY, J., 1922a. The distribution and origin of *Salix* in South Africa. J. Ecol. 10: 62-86.
- BURTT DAVY, J., 1922b. The suffrutescent habit as an adaptation to environment. J. Ecol. 10: 211-219.
- BURTT DAVY, J., 1923. The geographical distribution of some Transvaal Leguminosae. Proc. Linn. Soc. Lond 135: 66-68.
- BURTT DAVY, J., 1926. A manual of the flowering plants and ferns of the Transvaal with Swaziland. Part 1. London: Longmans. pp. 529.
- BURTT DAVY, J., 1928. Notes on the forest flora of Northern Rhodesia. Emp. For. J. 7,2: 255-261.
- BURTT DAVY, J., 1930a. Botanical notes on Empire trees. 1. Emp. For. J. 9: 116-124.
- BURTT DAVY, J., 1930b. Botanical notes on Empire trees. 2. Emp. For. J. 9: 267-271.
- BURTT DAVY, J., 1931. Botanical notes on Empire trees. 3. Emp. For. J. 10: 106-112.
- BURTT DAVY, J., 1932. A manual of the flowering plants and ferns of the Transvaal with Swaziland. Part 2. London: Longmans.
- BURTT DAVY, J., 1935. A sketch of the forest vegetation and flora of tropical Africa. Emp. For. J. 14: 191-201.
- BURTT DAVY, J., 1938. The classification of tropical woody vegetation types. Imperial Forestry Institute Paper 13, pp. 85.
- BURTT DAVY, J., HOYLE, A.C. (eds) & TOPHAM, P., 1958. Check-list of the forest trees and shrubs of the Nyasaland Protectorate. Zomba: Government Printer. pp. 137.
- BURTT DAVY, J. & LEENDERTZ, R., 1908. First annotated catalogue of the vascular plants of the Transvaal and Swaziland. Rep. S. Afr. Ass. Advmt Sci. 6: 230-236.
- BURTT DAVY, J. & POTT-LEENDERTZ, R., 1912. A first check-list of the flowering plants and ferns of the Transvaal and Swaziland. Ann. Transv. Mus. 3: 119-182.
- BUTHUT, W., 1933. Wasserwirtschaft in Sudwestafrika. Wasskraft und Wasswirt. 28: 55-58 & 68-70.
- BUTLER, V., BORNMAN, C.H. & EVERT, R.F., 1973. *Welwitschia mirabilis*: morphology of the seedling. Bot. Gaz. 134: 52-57.
- BUTYNSKI, T.H. & VON RICHTER, W., 1975. Wildlife management in Botswana. Wildl. Soc. Bull. 3,1: 19-24.
- BUXBAUM, F., 1948. Zur Klärung der phylogenetischen Stellung der Aizoaceae und Cactaceae im Pflanzenreich. Sukkulantenkunde 2: 3-16.
- CACKETT, K.E., 1962. An analysis of evaporation at the Sabi Valley Experiment Station 1957-1961. Note Agric. Met. Rhod. Nyasald Met. Serv. No. 8.
- CAIN, G.R., 1964. A preliminary investigation of some aspects of the pre-rain flora of the Witwatersrand. B. Sc. Hons thesis, University of the Witwatersrand.
- CAIRNS, A.L.P. & CRAVEN, G.H., 1974. Biology and control of Wild Oak in the South-Western Cape. National Programme for Environmental Sciences. Papers presented at 1st National Weeds Conference, 13-14 Aug. 1974, Pretoria.
- CALVERT, G.M., 1963. Some notes on *Baikiaea plurijuga* regeneration. For. Newsl. Nth. Rhod. 93: 9-12.

- CAMERON, R.M., 1971. A submersible plankton pump. News Lett. Limnol. Soc. sth. Afr. No. 16, pp. 36-41.
- CAMPBELL, A. & CHILD, G., 1971. The impact of man on the environment of Botswana. Botswana Notes and Records 3: 91-110.
- CAMPBELL, A.C., 1968a. The Central Kalahari Game Reserve. Part 1. Afr. wild Life 22: 191-198.
- CAMPBELL, A.C., 1968b. Central Kalahari Game Reserve: Part 2. Afr. wild Life 22: 321-327.
- CAMPBELL, A.C., 1973. The National Park and Reserve system in Botswana. Biol. Conserv. 5,1: 7-14.
- CAMPBELL, B.M., 1975. A preliminary report on the Sapree River catchment in the Kongo Mountains, southern Cape. University of Cape Town.
- CAMPBELL, D.H., 1926. Outline of plant geography. (South Africa, pp. 306-321.). London: MacMillan, pp. 392.
- CAMPBELL, G.G., 1969. A review of scientific investigations of the Tonalanga area of northern Zululand. Trans. R. Soc. S. Afr. 38: 305-316.
- CAMPBELL, G.K., 1966. Woody plants of the Kenneth Stainbank Nature Reserve, Durban. Lammergeyer 6: 47-62.
- CAMPBELL, Q.P., EBERSOHN, J.P. & VON BROEMSEN, H.H., 1962. Browsing by goats and its effects on the vegetation. Herb. Abstr. 32: 273-275.
- CANNON, W.A., 1924. General and physiological features of the vegetation of the more arid portions of South West Africa, with notes on the climatic environment Yb. Carnegie Instn Wash. 354, pp. 159.
- CAPE COLONY, VEGETATION, 1907. The Cape of Good Hope showing extent of forest and shrubs. Sim, T.R. 1:256 000. Aberdeen: Taylor and Henderson.
- CAPE PROVINCE, DRY WESTERN KAROO, VEGETATION, n.d. Droë Westelike Karoogebied. 1:3 030 303. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, HERSCHEL DISTRICT, VEGETATION, n.d. The Natural Resources of the Herschel District. Map 8. 1:100 000. The Department of Bantu Administration and Development.
- CAPE PROVINCE, KNYSNA, VEGETATION, n.d. Map of Knysna. 1:120 000. Surveyor General's Office.
- CAPE PROVINCE, ROOIPOORT FARM, VEGETATION, n.d. Vegetation map of Rooipoort farm. 1:29 815. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, WINTER RAINFALL REGION, VEGETATION, 1957. Winterreenstreek. Ekologiese substreke. 1:1 000 000. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, WINTER RAINFALL REGION, VEGETATION, 1959. Winterreenstreek. Ekologiese substreke. 1:1 000 000. Pretoria, Botanical Research Institute.
- CARDEW, F., 1891. Report on the forests of Zululand. Colon. Rep. misc. Ser. 2: 25.
- CAREY, T.G., 1971. Hydrobiological survey of the Kafue Flood Plain. Fish. Res. Bull. Zambia 5: 245-295.
- CARLSON, K.A., 1913. Forestry in relation to irrigation in South Africa. Agric. J. Un. S. Afr. 5: 219-234.
- CARLSON, K.A., 1921. Sylvicultural notes on *Cedrela toona* with special reference to natural regeneration in Government plantation, Barberton. Bull. Dep. For. Un. S. Afr. No. 4, pp. 19.
- CARR, J.D., 1972. The Richtersveld visited. Trees S. Afr. 24: 30-43 & 56.
- CARR, J.D., 1973. In search of *Acacia montis-usti*. Trees S. Afr. 25: 2-10.
- CARR, J.D., 1974. To South West Africa in search of Acacias. Trees S. Afr. 25,4: 86-96.
- CARR, J.D., 1975a. Pyramid revisited. Trees S. Afr. 27: 58-59.
- CARR, J.D., 1975b. Visit to Timbavati. Trees S. Afr. 27: 74-75.
- CARRUTHERS, W., 1894. The plants of Milanji, Nyasaland, collected by Mr Alexander Whyte. Introduction. Trans. Linn. Soc. Lond. Bot. 4: 1-4.
- CARTER, C.A., 1967. A survey of the surface water resources of the Upper Orange Catchment. M.Sc. (Eng.) thesis, University of the Witwatersrand.
- CARTER, D.B., 1954. Climates of Africa and India, according to Thornthwaite's 1948 classification. Laboratory for climatology. Publs Clim. 7: 455-475.
- CASIMIRO, J.F. & SANTOS OLIVIERA, J., 1968. Zonagem clima-isoaxifitica de Mocambique. Revista de Ciencias Agronomicas Serie A 1: 13-26.
- CASIMIRO, J.F. & SANTOS OLIVIERA, J., 1969. Contribucao para o estudo da ecologia de algumas essencias florestais de Mocambique (a parte). Revista de Ciencias Agronomicas Serie B. 2,2: 103-127.
- CASIMIRO, J.F., 1967. A new indirect determination of permanent wilting percentage. S. Afr. J. Sci. 63: 11-15.
- CASIMIRO, J.F., 1968. Um caso de podzolizacao em Mocambique. Agronomia mocambicana 2,2: 91-95.
- CATER, J.C., 1954. The Nyika Plateau, Nyasaland. Oryx 2: 298-302.
- CAVACO, A., 1949. Contribution a l'Etude des Pastierages du Mosambique. Rev. int. Bot. appl. Agric. trop. 325-326: 576-584.
- CHALK, L., CHATTAWAY, M.M., BURTT DAVY, J., LAUGHTON, F.S., SCOTT, M.H., 1935. Fifteen South African high forest timber trees. Oxford: Clarendon Press.
- CHALLENGER, G., 1964. The relationship of land use to ecology in the Inyanga area of Southern Rhodesia. IUCN Publications New Series 4: 295-302.
- CHAPLIN, J.H., 1954a. On the wet season in Northern Rhodesia. Weather, Lond. 9: 272-275.
- CHAPLIN, J.H., 1954b. Some aspects of rainfall in Northern Rhodesia. 1. Nth. Rhod. J. 4: 32-38.
- CHAPLIN, J.H., 1955. Some aspects of rainfall in Northern Rhodesia. 2. Nth. Rhod. J. 6: 16-23.
- CHAPMAN, J., 1971a. Travels in the interior of South Africa 1849-1863. Hunting and trading journeys from Natal to Walvis Bay and visits to Lake Ngami and Victoria Falls. Edited from the original manuscript by E.C. Tabler. Part 1. Cape Town: Balkema, pp. 258.
- CHAPMAN, J., 1971b. Travels in the interior of South Africa 1849-1863. Hunting and trading journeys from Natal to Walvis Bay and visits to Lake Ngami and Victoria Falls. Edited from the original manuscripts by E.C. Tabler. Part 2. Cape Town: Balkema, pp. 244.
- CHAPMAN, J.D., 1957. The indigenous conifers of Nyasaland, Malawi: Department of Forestry. pp. 10.
- CHAPMAN, J.D., 1961. Some notes on the taxonomy, distribution, ecology and economic importance of *Widdringtonia* with particular reference to *W. whytei*. Kirkia 1: 138-154.
- CHAPMAN, J.D., 1962. The vegetation of the Mlanje Mountains, Nyasaland: a preliminary account with particular reference to the *Widdringtonia* forests. Zomba: Government Printer.
- CHAPMAN, J.D., 1968. Malawi. Acta phytogeogr. succ. 54: 215-224.
- CHAPMAN, J.D. & WHITE, F., 1970. The evergreen forests of Malawi. Oxford: Commonwealth Forestry Institute. pp. 190.
- CHAPMAN, V.J., 1954. The halophyte vegetation of the world. Int. Bot. Congr. 8, Sect. 7, pp. 24-30.
- CHAPMAN, V.J., 1970. Mangrove phytosociology. Bull. int. Soc. trop. Ecol. 11: 1-19.
- CHATER, S.W., 1970. Nuweberge as a floral reserve. J. Bot. Soc. S. Afr. 56: 24-26.
- CHATTAWAY, M.M., 1935. Report on twenty-four timbers received from South Africa. Report in library of Forestry Research Institute, Pretoria (unpublished).
- CHENIK, D.J., 1960. The promotion of vegetation cover on mine slime dams and sand dumps. Jl S. Afr. Inst. Min. Metall. 60: 525-555 & 744-751.
- CHENIK, D.J., 1963. Addendum to paper published in 1960. Jl S. Afr. Inst. Min. Metall. 63: 212-213.
- CHEVALIER, A., 1951. Le Kudzu (*Pueraria hirsuta*) et quelques autres Legumineuses antierosives a cultiver dans les pays tropicaux. Revue int. Bot. appl. Agric. trop. 31: 159-172.
- CHILD, G., 1970. Wildlife utilization and management in Botswana. Biol. Conserv. 3: 18-22.
- CHILD, G., 1971. Ecological constraints on rural development in Botswana. Botswana Notes and Records, 3: 157-164.
- CHILD, G., 1972. Water and its role in nature conservation and wild life management in Botswana. Botswana Notes and Records 4: 253-255.
- CHILD, G.F., 1960. Brief notes on the ecology of the resurrection plant (*Myrothamnus flabellifolia*) with mention of its water-absorbing abilities. Jl S. Afr. Bot. 26: 1-8.

- CHIPPINDALL, L.K.A., 1946. The common names of grasses in South Africa. Bull. Dep. Agric. Un. S. Afr. No. 265, pp. 91.
- CHIPPINDALL, L.K.A., 1955. A guide to the identification of grasses in South Africa. In Meredith, D. (ed.), The grasses and pastures of South Africa, pp. 1-527. Johannesburg: Central News Agency.
- CHODAT, R., 1914. Die geographische Gliederung der *Polygala*-Arten in Afrika. Bot. Jb. 50: 111-123.
- CHOLNOKY, B.J., 1953. Studie der Ökologie der diatomeen eines eutrophen subtropischen Gewässers. Ber. dt. bot. Ges. 66: 346-356.
- CHOLNOKY, B.J., 1954a. Algae flora in the Mogol River in north-east Transvaal. Ost. Bot. Z. 101: 118-139.
- CHOLNOKY, B.J., 1954b. Diatomeen und einige andere Algen aus dem De Hoek-Reservaat in Noord-Transvaal. Bot. Notiser 107: 269-296.
- CHOLNOKY, B.J., 1954c. Neue und seltene Diatomeen aus Afrika. Ost. bot. Z. 101: 407.
- CHOLNOKY, B.J., 1954d. Diatomeen aus Sud-Rhodesien. Port. Acta biol. Ser. B 4: 197-228.
- CHOLNOKY, B.J., 1955a. Diatomeen aus salzhaltigen binnengewässern der westlichen Kaap-Provinz in Südafrika. Ber. dt. bot. Ges. 67: 11-23.
- CHOLNOKY, B.J., 1955b. Hydrobiologische untersuchungen in Transvaal. 1. Hydrobiologia 7: 137-209.
- CHOLNOKY, B.J., 1956. Neue und seltene Diatomeen aus Afrika. 2. Diatomeen aus dem Tugela-gebiete in Natal. Ost. bot. Z. 103: 53-97.
- CHOLNOKY, B.J., 1957a. Neue und seltene Diatomeen aus Afrika. 3. Diatomeen aus dem Tugela-Fluss system hauptsächlich aus den Drakensbergen in Natal. Ost. bot. Z. 104: 25-99.
- CHOLNOKY, B.J., 1957b. Über die Diatomeen-flora einiger Gewässer in den Magalies-Bergen nahe Rustenburg, Transvaal. Bot. Notiser 110: 325-362.
- CHOLNOKY, B.J., 1957c. Beiträge zur Kenntnis der südafrikanischen Diatomeenflora. Port. Acta biol. Ser. B 6: 53-93.
- CHOLNOKY, B.J., 1958a. Beiträge zur kenntnis der Südafrikanischen Diatomeenflora. II. Einige Gewässer im Waterberggebiet, Transvaal. Port. Acta biol. 6,2: 99-153.
- CHOLNOKY, B.J., 1958b. Beitrag zu den Diatomeenassoziationen Sumpfes Olifantsvlei, südwest liche Johannesburg. Ber. dt. bot. Ges. 71: 177-178.
- CHOLNOKY, B.J., 1958c. Einige Diatomeen-Assoziationen aus Südwestafrika. Senckenberg. biol. 39,5-6: 315-324.
- CHOLNOKY, B.J., 1958d. Hydrobiologische Untersuchungen in Transvaal. II. Selbstreinigung im Jukskei-Crocodile Fluss-system. Hydrobiologia 2,34: 205-206.
- CHOLNOKY, B.J., 1959. Neue und seltene Diatomeen aus Afrika 4. Diatomeen aus der Kaap-Provinz. Ost. bot. Z. 106: 1-69.
- CHOLNOKY, B.J., 1960a. Beiträge zur kenntnis der ökologie der Diatomeen in dem Swartkops-Bache nahe Port Elizabeth. (Südost-Kaapland). Hydrobiologia 16: 229-287.
- CHOLNOKY, B.J., 1960b. Beiträge zur kenntnis der Diatomeenflora von Natal. Nova Hedwigia 2: 1-28.
- CHOLNOKY, B.J., 1960c. The relationship between algae and the chemistry of natural waters. CSA/CCTA Publs No. 64, pp. 215-225.
- CHOLNOKY, B.J., 1962a. Beiträge zur kenntnis der Diatomeen in Ost-Transvaal. Hydrobiologia 19,1: 57-119.
- CHOLNOKY, B.J., 1962b. Ein beitrag zu der ökologie der Diatomeen in dem englischen Protektorat Swasiland. Hydrobiologia 20: 309-395.
- CHOLNOKY, B.J., 1962c. Beiträge zur kenntnis der Südafrikanischen Diatomeenflora III: Diatomeen aus der Kaap-Provinz. Revta Biol.,Lisb. 3: 1-80.
- CHOLNOKY, B.J., 1963. Beiträge zur kenntnis des Marrien Litoral von Südafrika. Botánica mar. 5: 38-83.
- CHOLNOKY, B.J., 1968. Die Diatomeenassoziationen der Santa-Lucia-Lagune in Natal (Südafrika). Botanica mar. suppl., pp. 127.
- CHOLNOKY, B.J., 1970. Die diatomeenassoziationen im Nonoti-Bach in Natal, Südafrika. Nova Hedwigia 31: 313-329.
- CHOI, NOKY, B.J. & CLAUS, G., 1961. Beiträge zur Kenntnis der Algenflora und der ökologie der diatomeen in dem Stausee Wemmershoek Dam nahe Kapstadt. Ost. bot. Z. 108: 325-350.
- CHRIST, H., 1892. La Flore ancienne africaine. Bibliotheque Universell, Archs. Sci. Phys. Nat. Ser. 3. 28: 369-374.
- CHUTTER, F.M., 1968. Contributions to the ecology of the Sundays River. M.Sc. thesis, Rhodes University.
- CHUTTER, F.M., 1970. Hydrobiological studies in the catchment of Vaal Dam, South Africa. 1. River zonation and the benthic fauna. Int. Revue ges. Hydrobiol. Hydrogr. 55: 445-494.
- CHUTTER, F.M., 1972. An empirical biotic index of the quality of water in the S. African streams and rivers. Wat. Res. 6: 19-30.
- CHUTTER, F.M., 1973. An ecological account of the past and future of South African rivers. News Lett. Limnol. Soc. sth. Afr. No. 21, pp. 22-34.
- CLAASSEN, M.I., 1961. A contribution to our knowledge of the freshwater algae of the Transvaal Province. Bothalia 7: 559-666.
- CLARK, D.H.M., 1957. Studies on the growth and development of certain veld grasses. M.Sc. (Agric.) thesis, University of Natal.
- CLARK, J.D., 1956. Prehistory in Nyasaland. Nyasaland J. 9: 92-119.
- CLARK, J.D., 1969. Digging for history. Soc. Malawi J. 22: 52-64.
- CLARK, J.D. & VAN ZINDEREN BAKKER, E.M., 1964. Prehistoric culture and Pleistocene vegetation at the Kalambo Falls, Northern Rhodesia. Nature, Lond. 201: 971-975.
- CLARKE, G.C.L., 1968. Frost and frost protection (A Rhodesia Scientific Association Symposium). Rhod. Sci. News 2,11: 246.
- CLARKE, P.F., 1940. An evaluation of the productive capacity, potentialities and limitations of the South African veld. M.Sc. thesis, University of Pretoria.
- CLEGHORN, W.B., 1951. Pasture problems in native reserves in Mashonaland. S. Afr. J. Sci. 47: 141.
- CLEGHORN, W.B., 1961. Vegetation of Gokwe District. Gokwe symposium (unpublished).
- CLEGHORN, W.B., 1969. Some factors affecting vegetation. Rhod. Sci. News. 3: 327-329.
- CLEGHORN, W.B. & HILL, J.C.R., 1965. *Dichapetalum cymosum* (Hook.) Engl. ("umkauzaan") recorded from the Nuanetsi District. Rhodesia agric. J. 62: 99-100.
- CLEGHORNE, W.S.H., 1933. Veld reclamation at Grootfontein. S. Afr. J. Sci. 30: 108-111.
- CLEMENTS, J.B., 1926. Protection forests in Nyasaland. Emp. For. J. 6: 211-217.
- CLIFFORD, B.E.H., 1930. A reconnaissance of the Great Makarikari Lake. Geogr. J. 75: 16-26.
- CLOWES, A.J., 1950. An introduction to the hydrology of South African waters. Rep. S. Afr. Mar. Biol. Surv. No. 12: 1-42.
- COATES-PALGRAVE, O.H. & COATES-PALGRAVE, K., 1956. Trees of central Africa. Rhodesia & Nyasaland: National Publications Trust.
- COATON, W.G.H., 1954. Veld reclamation and Harvester Termite control. Fmg S. Afr. 29: 243-248.
- COATON, W.G.H., 1958. The hodotermitid harvester termites of South Africa. Sci. Bull. Dep. Agric. Un. S.Afr. No. 375, pp. 112.
- COATON, W.G.H. & SHEASBY, J.L., 1972. Preliminary report on a survey of the termites (Isoptera) of South West Africa. Cimbebasia Memoir 2: 129.
- COCHE, A.G., 1971. Lake Kariba Basin: A multidisciplinary bibliography, annotated and indexed 1954-1968. Fish. Res. Bull. Zambia 5: 11-86.
- CODD, L.E.W., 1928. On the reaction of *Digitaria eriantha* var. *stolonifera* Stapf and *Themeda triandra* Forssk. to the winter season. M.Sc. thesis, University of South Africa.
- CODD, L. E. W., 1949. The application of ecology to agricultural problems in South Africa. In Statements and communications of the African regional scientific conference, 17-28 Oct. 1949, Johannesburg, pp. 115-119.
- CODD, L.E.W., 1951. Trees and shrubs of the Kruger National Park. Mem. bot. Surv. S. Afr. No. 26, pp. 192.
- CODD, L.E.W., 1952. The results of an ecological survey of the Union of South Africa. Proc. 6th Int. Grassld Congr. 1, pp. 596-601.
- CODD, L.E.W., 1961. Notes on poisonous plants with special reference to the Gousiekte problem. JI S. Afr. biol. Soc. 2: 8-18.

- CODD, L.E., 1968a. Conservation of vegetation in southern Africa: regional synthesis. Acta phytogeogr. succ. 54: 257-260.
- CODD, L.E., 1968b. The conservation status of ecosystems in South Africa. S. Afr. J. Sci. 64: 446-448.
- CODD, L.E., 1968c. Progress with Flora of Southern Africa. Acta phytogeogr. succ. 54: 294-295.
- COELHO, A.V.P., 1959. Primeiro reconhecimento peliografico da Serra da Gorongosa (Mocambique). Bolm Serv. Geol. Min. 25: 13-71.
- COELHO, H.P., 1964. Contribuicao para o conhecimento da composicao floristica e possibilidades de uma zona compreendida entre os Rios Cubango, cuero e Quatir. Agronomia angol. 20: 49-82.
- COELHO, H.P., 1966. Manchas florestais de *Ricinodendron rautanenii* Schinz (Mangongo) no distrito do Cuado-Cubango (Estudo prevlo). Agronomia angol. 24: 33-64.
- COETSEE, G., 1967. Rapid and slow rotational grazing with sheep in the broken red ridge veld of Griquatown. Fmg S. Afr. 42,12: 56-57.
- COETSEE, G., 1972. Control of *Pachystigma pygmaeum* with herbicide. Proc. Grassld Soc. sth. Afr. 7: 28-31.
- COETSEE, G. & LE ROUX, D.P., 1971. Polygonal plot method for estimating the canopy-spread cover of shrubs. Proc. Grassld Soc. sth. Afr. 6: 176-180.
- COETZEE, B.J., 1972. 'n Plantsosiologiese studie van die Jack Scott-Natuurreservaat. M.Sc. thesis, University of Pretoria.
- COETZEE, B.J., 1973a. Evaluation of ERTS-1 data for a plant ecological survey of the northern Transvaal Bushveld (Test Site A). In Malan, O. G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 38, type 2 report for period July 1972 to Jan. 1973, CSIR, Pretoria, pp. 19-25.
- COETZEE, B.J., 1973b. Evaluation of ERTS-1 data for a plant ecological survey of the northern Transvaal Bushveld. In Malan, O. G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 12-14.
- COETZEE, B.J., 1974a. A phytosociological classification of the Jack Scott Nature Reserve. Bothalia 11: 329-347.
- COETZEE, B.J., 1974b. Improvement of association analysis classification by Braun-Blanquet technique. Bothalia 11: 365-367.
- COETZEE, B.J., 1975. A phytosociological classification of the Rustenburg Nature Reserve. Bothalia 11: 561-580.
- COETZEE, B.J. & WERGER, M.J.A., 1973. On hierarchical syndrome analysis and the Zurich-Montpellier table method. Bothalia 11: 159-164.
- COETZEE, B.J. & WERGER, M.J.A., 1975a. On association-analysis and the classification of plant communities. Vegetatio 30: 201-206.
- COETZEE, B.J. & WERGER, M.J.A., 1975b. A west-east vegetation transect through Africa south of the Tropic of Capricorn. Bothalia 11: 539-560.
- COETZEE, J.A., 1945. A first contribution to the root ecology of certain Highveld communities: some subseral and preseral stages. M.Sc. thesis, University of the Witwatersrand.
- COETZEE, J.A., PAGE, M.I. & MEREDITH, D., 1945. Root studies in Highveld grassland communities. S. Afr. J. Sci. 42: 105-118.
- COETZEE, J.A. & VAN ZINDEREN BAKKER, E.M. (Sr), 1952. The pollen spectrum of the southern middle veld of the Orange Free State. S. Afr. J. Sci. 48: 275-281.
- COETZEE, J.A. & VAN ZINDEREN BAKKER, E.M. (Sr), 1970. Palaeoecological problems of the quaternary of Africa. S. Afr. J. Sci. 66: 78-84.
- COETZEE, J.J., 1971. Die landbou potensiaal van die noordwes-Transvaalse soetbosveld. D.Sc. thesis, University of Pretoria.
- COETZEE, P.J.S., 1939. Studies in relation to the transpiration of irrigation requirements of wheat. M.Sc. thesis, University of South Africa.
- COETZEE, P.J.S., 1942. Fire and veld management. Veld burning as an agent in the "Ngongoni" sourveld. Fmg S. Afr. 17: 107-116 & 131.
- COETZEE, P.J.S., 1948. Principles of grassveld utilization. Fmg S. Afr. 23: 486-494.
- COHEN, C., 1935. *Stoebe* sp.: a contribution to its ecology. JI S. Afr. Bot. 1: 171-175.
- COHEN, C., 1937a. *Stoebe vulgaris* Levyns. M.Sc. thesis, University of the Witwatersrand, pp. 118.
- COHEN, C., 1937b. Some aspects of the reproduction of *Stoebe vulgaris* and certain local grass and weed seeds. S. Afr. J. Sci. 33: 351-354.
- COHEN, C., 1940. *Stoebe vulgaris* - a study of an ecological problem. JI S. Afr. Bot. 6: 79-110.
- COHEN, C., 1948. A first report on mycorrhiza associated with some Transvaal plants. JI S. Afr. Bot. 14: 91-95.
- COHEN, C., 1949. The occurrence of fungi in the soil after different grazing and burning treatments of the veld. Part 1. S. Afr. J. Sci. 46: 260-265.
- COHEN, E., 1939. An account of the marine angiosperms of Inhaca, PEA. S. Afr. J. Sci. 36: 246.
- COHEN, S., 1938. Hydrophylic flora of the Jukskei River and a vlei at Frankenswald. University of the Witwatersrand.
- COHEN, S., 1939. A preliminary check-list of the flowering plants and ferns of parts of the Transvaal and the Orange Free State. M.Sc. thesis, University of the Witwatersrand.
- COKE, M., 1970. The status of the Pongola floodplain pans and the effects of a 1000 cusec flood in December, 1970. Natal Parks Board Report.
- COKE, M. & POTT, R., 1970. The Pongola floodplain pans: plan for conservation. Combined Natal Parks Board & Transvaal Fisheries Institute Report, pp. 34.
- COLE, M.M., 1949. Elgin: A land utilization survey. S. Afr. geogr. J. 31: 36-76.
- COLE, M.M., 1963a. Vegetation and geomorphology in Northern Rhodesia: an aspect of the savanna of central Africa. Geogr. J. 129: 290-310.
- COLE, M.M., 1963b. Vegetation nomenclature and classification with particular reference to the Savannas. S. Afr. geogr. J. 45: 3-14.
- COLE, M.M., 1971. Biogeographical/geobotanical and biochemical investigations connected with exploration for nickel-copper ores in the hot, wet summer/dry winter environment. JI S. Afr. Inst. Min. Metall. 71,10: 191-209.
- COLLETT, D.G., 1956. Some botanical features of the Wonderboom Nature Reserve. Fauna Flora, Transv. 7: 67-87.
- COLVIN, P.M., 1972. Sociological studies on the plankton of the Pongola River flood plain. M.Sc. thesis, University of Natal.
- COMINS, D.M., 1953. An account of the plant ecology of the Albert Falls area of the Natal midlands. M.Sc. thesis, University of Natal.
- COMINS, D.M., 1962a. Vegetation. In Board, C., The Border Region - natural environment and land use in the eastern Cape, pp. 66-81. Cape Town: Oxford University Press.
- COMINS, D.M., 1962b. The vegetation of the districts of East London and King Williams Town. Cape Province. Mem. bot. Surv. S. Afr. No. 33, pp. 32.
- COMMISSION FOR THE SOCIO-ECONOMIC DEVELOPMENT OF THE BANTU WITHIN THE UNION OF SOUTH AFRICA, 1955. Veld types of the Bantu areas. Map 18. Pretoria: Government Printer, UG 61/1955.
- COMPTON, R.H., 1922. Medicinal and aromatic plants in South Africa. J. bot. Soc. S. Afr. 8: 9-11.
- COMPTON, R.H., 1923. Drought in the South-West Cape. S. Afr. J. Sci. 20: 193-195.
- COMPTON, R.H., 1924a. Kirstenbosch, South African botany and nature reserves. S. Afr. J. Sci. 21: 79-91.
- COMPTON, R.H., 1924b. Some aspects of the fact that South Africa is a dry country. S. Afr. J. nat. Hist. 4: 11-23.
- COMPTON, R.H., 1925. The heaths of the Cape Peninsula, with notes on Kirstenbosch heaths. J. bot. Soc. S. Afr. 11: 10-16.
- COMPTON, R.H., 1926. Veld burning and veld deterioration. S. Afr. J. nat. Hist. 6: 5-19.
- COMPTON, R.H., 1928. The wild flowers of South Africa. JI N.Y. bot. Gdn 29: 259-262.
- COMPTON, R.H., 1929a. The vegetation of the Karoo. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 40-67. Cape Town: Speciality Press.

- COMPTON, R.H., 1929b. The floristic features of the Karoo. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 68-70. Cape Town: Speciality Press.
- COMPTON, R.H., 1929c. The Archegoniatae of the south-west Cape. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp.71-80. Cape Town: Speciality Press.
- COMPTON, R.H., 1929d. The flora of the Karoo. S. Afr. J. Sci. 26: 160-165.
- COMPTON, R.H., 1929e. The vegetation of the Karoo. J. bot. Soc. S. Afr. 15: 13-21.
- COMPTON, R.H., 1931. The flora of the Whitehill district. Trans. R. Soc. S. Afr. 19: 269-329.
- COMPTON, R.H., 1932. Local nature reserves. J. bot. Soc. S. Afr. 18: 10-16.
- COMPTON, R.H., 1934a. The flora of Africa. J. bot. Soc. S. Afr. 20: 16-18.
- COMPTON, R.H., 1934b. The results of veld-burning. Educational Gazette, Dept Public Education, Cape of Good Hope 33: 644-655.
- COMPTON, R.H., 1940. Mountains and their vegetation. J. bot. Soc. S. Afr. 26: 12-14.
- COMPTON, R.H., 1966. An annotated check-list of the flora of Swaziland. J. S. Afr. Bot. suppl. No. 6: 1-182.
- COMPTON, R.H., 1968. Swaziland. Acta. phytogeogr. succ. 54: 256-257.
- CONE, G.B., 1973. The floras of the south-western part of South Africa. Tuatara 20: 160-164.
- CONNAUGHTON, C.A., 1935. Forest fires and accelerated erosion. Forestry 33: 751-752.
- COOK, B., 1970. Growing vegetation on mine residue dumps. Chamber of Mines Re-vegetation Unit, Johannesburg (unpublished report ).
- COOK, L., 1939a. A contribution to our information on grass burning. M.Sc. thesis, University of the Witwatersrand. pp. 43.
- COOK, L., 1939b. A contribution to our information on grass burning. S. Afr. J. Sci. 36: 270-282.
- COOKE, H.B.S., 1946. Some observations on rainfall distribution in South Africa. S. Afr. geogr. J. 27: 34.
- COOKE, H.B.S., 1957. Observations relating to quaternary environments in east and southern Africa. Geol. Soc. S. Afr. suppl. 60.
- COOKE, H.B.S., 1962. The Pleistocene environment in Southern Africa. Hypothetical vegetation in Southern Africa during the Pleistocene. Ann. Cape Prov. Mus. 2: 11-15.
- COOKE, H.B.S., 1964. The Pleistocene environment in southern Africa. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 1-23. The Hague: Junk.
- COOKE, H.J., 1975. The Paleoclimatic significance of caves and adjacent landforms in western Ngamiland, Botswana. Geogr J. 141.3: 430-444.
- COOPER, G.R., 1972. A field method for the estimation of sodium status of Rhodesian soils. Rhodesia agric. J. 69: 127-128.
- COOPER, K.H., 1965. Shongweni Dam. Project Report. Wildlife Protection and Conservation Society, Durban.
- COOPER, K.H., 1968. Unique mangroves threatened. Natal Wildlife 9: 2-4.
- COOPER, K.H., 1970. How St Lucia estuary could be saved (Umfolozi River: freshwater: Mkuze River). Afr. wild Life 24: 293-298.
- COOPER, K.H. & MOLL, E.J., 1968. Notes on an area of the Karkloof Forest, Natal. Afr. wild Life 22: 49-57.
- COOPER, O.J. & SHIFF, C.J., 1955. The animal association of Renosterbos, *Elytropappus rhinocerotis*. (L.) Less. S. Afr. J. Sci. 51: 345-347.
- CORNELL, M.A.M., 1932. On the Natal Acacias. A study of their anatomy and the correlation between the anatomy and distribution of the various species. M.Sc. thesis, University of South Africa.
- COSTA, J.V. & AZEVEIO, A.L., 1953. Solos de Angola. Min Ultramar, Lisbon.
- COTTRELL, C.B. & LOVERIDGE, J.P., 1966. Observations on the *Cryptosepalum* Forest of the Mwinilunga District of Zambia. Proc. Trans. Rhod. Scient. Ass. 51: 79-120.
- COURTENAY-LATIMER, M., SMITH, G.G., BOKELMAN, H., & BATTEN, A., 1967. The flowering plants of the Tsitsikama forest and coastal national park. Pretoria: National Parks Board.
- COUTINHO, L.P., 1963. Valor alimentar para o gado de alguns pastos de mocambique. Revta agric., Lourenco Marques Jan. pp. 17-18.
- COUTINHO, L.P., 1967. Composicao quimica e valor alimentar para o gado de alguns pastos de Mocambique. Revta agric., Lourenco Marques Mar. pp. 17-21.
- COUTTS, J.E.G., 1945. Effect of veld burning on the base exchange capacity of a soil. S. Afr. J. Sci. 41: 218-224.
- COWGILL, R., 1967. Uvongo Nature Reserve. Project Report, Wildlife Protection and Conservation Society, Durban.
- COX, G.W., 1925. Periodicity in rainfall. Trans. R. Soc. S. Afr. 12: 295-229.
- CRAIB, I.J., 1929. Moisture versus light as the limiting factor in forest development. S. Afr. J. Sci. 26: 247-257.
- CRAIB, I.J., 1947. The silviculture of exotic conifers in South Africa. J. S. Afr. For. Ass. 15: 11-45.
- CRAM, I., 1966. Malawi's *Streptocarpus*. Gesneriad Saintpaulia News. 111: 20-25.
- CRASS, R.S., 1970. Management problems at St Lucia Lake (water supply). Afr. wild Life 24: 36-48.
- CRESSWELL, C.F., 1958. A quantitative investigation of the absorption of certain plant cations by whole plant and plant tissue. M.Sc. thesis, Rhodes University.
- CRESSWELL, C.F. & NELSON, H., 1972. The effect of boron on the breaking, and possible control of dormancy of seed of *Themeda triandra* Forssk. Ann. Bot. 36,147: 771-780.
- CRIPPS, L., 1909. The erosion of soil. Rhodesia agric. J. 6: 669-670.
- CROIZAT, L., 1952. Manual of phytogeography. The Hague: Junk. pp. 557.
- CROOK, A.O., 1956. A preliminary vegetation map of the Melsetter Intensive Conservation Area, Southern Rhodesia. Rhodesia agric. J. 53: 3-25.
- CROSS, G.W. & THERON, E.P., 1970. Effectiveness of Paraquat on the Ngongoni veld of the Natal Mistbelt. Proc. Grassld Soc. sth. Afr. 5: 101-105.
- CUBITT, G., 1966. The grassdale system. Farmer's Weekly, Bloemfontein, 16 Feb., pp. 26-27.
- CURSON, H.H., 1923. Outline of the floral regions of Zululand. S. Afr. J. Sci. 20: 323-347.
- CURSON, H.H., 1927. The poisonous plants of South Africa. J. S. Afr. vet. med. Ass. 1: 45.
- CURSON, H.H., 1928. Some little known South African poisonous plants and their effects upon stock. Rep. vet. Res. Un. S. Afr. 13-14, pp. 205-229.
- CURSON, H.H., 1932. Notes on the flora of Ngamiland and Chobe. 1. Outline of the floral regions. Rep. vet. Res. Un. S. Afr. 18, pp. 1041-1060.
- CURSON, H.H., 1940. Millet grasses in native areas. Fmg S. Afr. 15: 187-188.
- CURSON, H.H., 1947. Notes on eastern Caprivi strip. S. Afr. J. Sci. 43: 124-157.
- D'EWES, D., 1961. Invasion of alien acacias. Veldtrust 22.5: 24-25 & 30.
- DA SILVA TEIXEIRA, A.J., 1953. A conservacao do solo na Basutolandia. Mems Trab. Cent. Invest. cient. algod. 75.
- DAHLGREN, R., 1963. Studies on *Aspalathus*. Phytogeographical aspects. Bot. Notiser 116: 432-472.
- DAHLGREN, R., 1968. Distribution and substrate in the South African genus *Aspalathus* L. (Leguminosae). Bot. Notiser 121: 505-534.
- DANIEL, J.B. McI, 1975. Survey of the Cape Midlands and karroo regions; a geographical analysis of farming. Vol. 5. Institute of Social and Economic Research, Rhodes University, pp. 107.
- DATE, S., 1959. Mangroves. Nucleon 1: 31.
- DAUBENMIRE, R., 1968. Ecology of fire in grasslands. Adv. ecol. Res. 5: 209-266.
- DAVEY, L.M., 1969. The ecology and taxonomy of aquatic Actinomyctetes. M.Sc. thesis, University of the Witwatersrand.
- DAVIDSON, R.L., 1941. A note on anthesis in some common grasses near Johannesburg and the relation of anthesis to collection of pollen for medical purposes. J. S. Afr. Bot. 7: 145-152.

- DAVIDSON, R.L., 1942. Some vegetation and habit relationships of the spotted maize beetle. University of the Witwatersrand.
- DAVIDSON, R.L., 1943. Some observations on the relationship between vegetation and insect populations. S. Afr. J. Sci. 39: 139-149.
- DAVIDSON, R.L., 1950. Fundamentals of pasture reclamation in Native areas. Ph.D. thesis, University of the Witwatersrand.
- DAVIDSON, R.L., 1952a. Methods and procedures for successful reseedling of rangelands in South Africa. Proc. 6th Int. Grassld Congr. 1: 544-546.
- DAVIDSON, R.L., 1952b. Fundamentals of pasture reclamation in nature reserves, with special reference to South Africa. Race Relations Journal 19: 50-62.
- DAVIDSON, R.L., 1953. A seasonal burn experiment in sour/mixed Bushveld. In Annual Report of the Frankenswald Field Research Station, University of the Witwatersrand, Johannesburg, pp. 39-46.
- DAVIDSON, R.L., 1962. The influence of edaphic factors on the species composition of early stages of the subser. J. Ecol. 50: 401-410.
- DAVIDSON, R.L., 1964a. An experimental study of succession in the Transvaal Highveld. In Davis, D.H.S., Ecological studies in southern Africa, pp.113-125. The Hague: Junk.
- DAVIDSON, R.L., 1964b. Natural regeneration of grassland on fallows with and without fertilizers in South Africa. Emp. J. exp. Agric. 32: 161-165.
- DAVIDSON, R.L., BRYNARD, A.M., GILLARD, P., LECATSAS, G. & LEIGH, J., 1961. Veld burning. (c) Calibration of the belt transect method in *Combretum* woodland in the Kruger National Park. Koedoe 4: 31-44.
- DAVIES, B.R., HALL, A. & JACKSON, P.B.N., 1975. Some ecological aspects of the Cabora Bassa Dam. Biol. Conserv. 8,3: 189-201.
- DAVIES, H.J., 1918. Ewanrigg National Park. Afr. wild Life 22: 159-163.
- DAVIES, O., 1970. Pleistocene beaches of Natal. Ann. Natal Mus. 20: 403-442.
- DAVIES, O., 1972a. Pleistocene shorelines in the southern and south-eastern Cape Province (Part 1). Ann. Natal Mus. 21: 183-223.
- DAVIES, O., 1972b. Pleistocene shorelines in the southern and south-eastern Cape Province (Part 2). Ann. Natal Mus. 21: 225-279.
- DAVIES, O., 1973. Pleistocene shorelines in the Western Cape and South-West Africa. Ann. Natal Mus. 21: 719-765.
- DAVIES, W., 1949. The grassland problems in Southern Rhodesia. Rhodesia agric. J. 44,6: 694-708.
- DAVIES, W., 1968. Pasture problems in South Africa. Proc. Grassld Soc. sth. Afr. 3: 135-140.
- DAVIS, D.H.S. et al., 1964. Ecological studies in southern Africa. The Hague: Junk, pp. 415.
- DAWSON, J.L. & BUTYNSKI, T.M., 1975. Khutse Garre Reserve Botswana. Preserving the Kalahari ecosystem. Biol. Conserv. 7,2: 147-153.
- DAY, J.H., 1952a. The ecology of South African estuaries. Part I. A review of estuarine conditions in general. Trans. R. Soc. S. Afr. 33: 53-91.
- DAY, J.H., 1952b. The ecology of South African estuaries. Bull. Natal Soc. Preserv. wild Life nat. Resorts 1,2: 5.
- DAY, J.H., 1959. The biology of Langebaan Lagoon: a study of the effect of shelter from wave action. Trans. R. Soc. S. Afr. 35: 475-547.
- DAY, J.H., 1965. Programme of ecological research in the St Lucia estuary system. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- DAY, J.H., 1967. The biology of Knysna Estuary South Africa. In Lauff, G. (ed.), Estuaries. Washington: Am. Assoc. Adv. Sci.
- DAY, J.H., 1970a. Estuarine ecology at the cross-roads or where do we go from here? News Lett. Limnol. Soc. sth. Afr. No. 15, pp. 19-29.
- DAY, J.H., 1970b. The biology of False Bay. Trans. R. Soc. S. Afr. 39,2: 211-221.
- DAY, J.H., 1974. The ecology of Morumbene estuary, Mocambique. Trans. R. Soc. S. Afr. 41: 43-97.
- DAY, J.H., MILLARD, N.A.H. & BROEKHUYSEN G.J., 1954. The ecology of South African estuaries. Part 4. The St Lucia system. Trans. R. Soc. S. Afr. 34: 129-156.
- DAY, J.H., MILLARD, N.A.H. & HARRISON, A.D., 1952. The ecology of South African estuaries. Part 3. Knysna: a clear open estuary. Trans. R. Soc. S. Afr. 33: 367-413.
- DAY, J.H. & MORGANS, J.F.C., 1956. The ecology of South African estuaries. Part 7. The biology of Durban Bay. Ann. Natal Mus. 13: 259-312.
- DE ALMEIDA, A.G., 1930. Plantas venenosas e medicinais dos indigenas de Mocambique. Bolm agric. pecuar. Mocamb. 1-2: 9-29.
- DE BEER, H.P.J. & VAN RENSBURG, P.H.J.J., 1968. Intrusive plants in the Highveld region. Fmg S. Afr. 43,10: 31-32.
- DE BRUIJN, C.M.A., 1967a. Annual vertical movements and soil moisture redistribution at the Onderstepoort test site. Proc. 4th Reg. Conf. Africa Soil Mech., pp. 235-242.
- DE BRUIJN, C.M.A., 1967b. Laboratory psychrometer/cryoscope and portable psychrometer for measuring moisture potentials of soil samples. Proc. 4th Reg. Conf. Africa Soil Mech., pp. 243-248.
- DE BRUYN, J.A., 1951. 'n Fisiologiese studie van *Setaria sphacelata* (Schum.) Stapf et Hubbard. M.Sc. thesis, University of South Africa.
- DE BRUYN, J.A. & AALBERS, J., 1966. Effects of molybdenum and different sources of nitrogen on the growth and chemical composition of *Digitaria sinuata*. JI S. Afr. Bot. 32: 183-194.
- DE BRUYN, J.A. & MCILRATH, W.J. 1966. Effects of boron, manganese, copper and zinc upon the growth of *Setaria sphacelata*. JI S. Afr. Bot. 32: 313-324.
- DE GRAAF, G., 1962. On the nest of *Cryptomys hottentotus* in the Kruger National Park. Koedoe 5: 157-161.
- DE GUINGAND, F., 1951. Africa south of the Sahara. Cape Town: South African Institute of International Affairs & Oxford University Press. pp. 286.
- DE JAGER, J.M., 1964. Design and construction of a sensitive heat flux plate. S. Afr. J. agric. Sci. 7: 531-542.
- DE JAGER, L.A., 1967. 'n Benuttingstudie van natuurlike veld in die Bankenveld met merinohamels. M.Sc. (Agric.) thesis, University of Pretoria.
- DE JAGER, L.A. & JOUBERT, D.M., 1968. Benutting van natuurlike weiding in die Transvaalse Bankenveld deur Merinohamels. Tydskr. Natuurwet. 8: 1-26.
- DE KIEWIET, G.M., 1955. Some factors influencing nitrogen accumulation in soils. Johannesburg: University of the Witwatersrand.
- DE KLERK, J.C., 1960. Spineless cactus, a succulent supplementary feed. Fmg S. Afr. 36: 7.
- DE KOCK, G.C., 1967. Droogtevoergewasse. Proc. Grassld Soc. sth. Afr. 2: 147-156.
- DE LA HUNT, T.E., 1954. The value of browse shrubs and bushes in the Gwanda area, S. Rhodesia. Rhodesia agric. J. 51: 251-262.
- DE LIMA, A., 1923. Subsidiario para o estudo da flora de Mocambique. Bolm Soc. broteriana Ser. 2,2: 126-152.
- DE SOUSA, E., 1963. Notas sobre a destruicao de vegetacao e prevencao da rebentacao de toica pelo emprego de fitocidas. Lourenco Marques : Junta Provincial de Povoamento, pp. 68.
- DE VILLIERS, A.F., 1968. Studying South African estuaries. Eastern Cape Naturalist 32: 3-5.
- DE VILLIERS, G. D. B., 1949. Climatology in relation to land use with special reference to the influence of climate on fruit growing. In Statements and communications of the African regional scientific conference, 17-28 Oct. 1949. Johannesburg, 2: 37-41.
- DE VILLIERS, J., 1962. A study of soil formation in Natal. Ph.D. thesis, University of Natal.
- DE VILLIERS, J.M., 1964a. The genesis of some Natal soils. I. Clovelly, Kranskop and Balmoral Series. S. Afr. J. agric. Sci. 7: 417-438.
- DE VILLIERS, J.M., 1964b. A case of subsoils mottling developed under non-hydromorphic conditions. S. Afr. J. agric. Sci. 7: 653-658.
- DE VILLIERS, J.M., 1965. The genesis of some Natal soils, II. Estcourt, Avalon, Bellevue and Rensburgspruit Series. S. Afr. J. agric. Sci. 8: 507-524.
- DE VOS, A., 1975. Africa - the devastated continent. The Hague: Junk.
- DE VOS, M.S., 1953. The weeds of a few representative areas of the Rand. Johannesburg: University of Witwatersrand.

- DE VRIES, D.M., 1937. Methods used in scientific plant sociology and in agricultural botanical grassland research. *Herb. Rev.* 5,4: 187-191.
- DE WET, J., 1960. Chromosome numbers and some morphological attributes of various South African grasses. *Am. J. Bot.* 47: 44-49.
- DE WET, J.A., 1973. Sediment deposition. *Civ. Engr S. Afr.* 15,4:110-111.
- DE WINTER, B., 1962. Plant life of the Namib Desert. *S. Afr. biol. Soc.* 3: 19-20.
- DE WINTER, B., 1966. Remarks on the distribution of some desert plants in Africa. In Van Zinderen Bakker, E. M. (Sr) (ed.), *Palaeoecology of Afr.* 1: 188-189. Cape Town: Balkema.
- DE WINTER, B., 1971. Floristic relationships between the northern and southern arid areas in Africa. *Mitt. bot. StSamml. Münch.* 10: 424-437.
- DE WINTER, B., 1974. South African trees. *S. Afr. For. J.*, No. 88, pp. 6-8.
- DE WINTER, B., DE WINTER, M., & KILLICK, D.J.B., 1966. Sixty-six Transvaal trees. Pretoria: Department of Agricultural Technical Services. pp. 175.
- DE WINTER, B., DE WINTER, M., & KILLICK, D.J.B., 1973. Know your trees. A selection of indigenous South African trees. Cape Town: Reader's Digest. pp. 32.
- DE WINTER, B. & VAHRMEIJER, J., 1972. The national list of trees. Pretoria: Van Schaik.
- DEBENHAM, F., 1948. Report on the water resources of Bechuanaland. London: HMSO.
- DEETLEFS, P.P. DU T., 1953. Means of expressing and regulating density in forest stands. *Jl S. Afr. For. Ass. No.* 23, pp. 1-12.
- DEETLEFS, P.P. DU T., 1954. The relationships between stand density, crown size and basal area growth in stands of *Pinus taeda* L. in the native habitat of this species. *Jl S. Afr. For. Ass. No.* 24, pp. 1-28.
- DELF, E.M. & MICHELL, M.R., 1921. The Tyson collection of marine algae. *Ann. Bolus Herb.* 3,2: 89-119.
- DELPPIERRE, G.R. & DU PLESSIS, N.M., 1974. The winter-growing gladioli of South Africa. Cape Town: Tafelberg. pp. 71.
- DEMARET, F., 1954. Une collection de muscinees des hautes altitudes. *Bull. Jard. bot. Etat Brux.* 24: 451-459.
- DEMARET, F. & POTIER DE LA VARDE, R., 1951. Les especes africaines du genre *Cyclodictyon*. *Mitt. Bull. Jard. bot. Etat Brux.* 21: 13-59.
- DEMARET, F. & POTIER DE LA VARDE, R., 1952. Les especes africaines du genre *Callicostella*. (C. Mull.) Jaeg. *Bull. Jard. bot. Etat Brux.* 22: 322-396.
- DENNY, R.P. & DANIELS, S.S., 1968. Observations on the effects of arboricides on umbondo (*Combretum apiculatum*). *Rhodesia agric. J.* 65,2: 34-35.
- DENT, G.R., 1928. The relation between leaf structure and water loss. M.Sc. thesis, University of South Africa.
- DENT, S.R., 1922. An autecological study of *Aloe striata* and *A. saponaria*. M.Sc. thesis, University of South Africa.
- DEPARTMENT OF AGRICULTURE, 1951. Pasture research in South Africa. *Prog. Rep. Past. Res. S. Afr.*, No. 3, pp. 113.
- DEPARTMENT OF AGRICULTURE & FORESTRY, 1938. Pasture research in South Africa. *Prog. Rep. Past. Res. S. Afr. No. 1*, pp. 1-162.
- DEVENISH, N.J., 1963. Checklist of plants occurring in the border area of the districts of Wakkerstroom and Utrecht. *Jl S. Afr. biol. Soc.* 4: 44-63.
- DICKE, B.H., 1936. The bush speaks: border life in the old Transvaal. Pietermaritzburg: Shuter & Shooter. pp. 421.
- DICKENS, K.W., 1961. Thornbush eradication and control. *Fmg S. Afr.* 1: 13-20.
- DIELS, L., 1909. Formationen und Florenelemente in nord-westlichen Kapland. *Bot. Jb.* 44:91-124.
- DIERSCHKE, H., 1975. Vegetation und substrat. *Vaduz: Cramer*. pp. 550.
- DINIZ, A.C., 1959. Os solos da Regiao da Cela. *Agronomia angol.* 11: 39-48.
- DINIZ, A.C. 1960. O planalto de Camabetela. Uma caracteristica zona natural do norte Angola. *Agronomia angol.* 23: 3-9.
- DINIZ, A.C., 1967. Esquema Geral de aproveitamento do cunene. Os solos e a Sua Capacidade de Utilizacao para O Regadio. Fomento. Lisboa 5,4: 289-307.
- DINIZ, A.C., 1970. Zonas seleccionadas para Instalacao de M. Novas Unidades Acucareirases Angola. Nova Lisboa, Instituto de Investigacao Agronomica de Angola Serie Tecnica 17.
- DINIZ, A.C., 1973. Caracteristicas mesologicas de Angola. Nova Lisboa: Missao de Triqueritos Agricolas de Angola.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1966. Agro-ecological zones of central Angola. *Agronomia angol.* 23: 11-17.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1967. Regioes Naturais de Angola. Fomento, Lisboa 5,1: 45-50.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1968. Estudo dos Solos do Plato de Luanda (Zona Oriental). Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 4.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1969. Zonagem Agro-Ecologica do Cuanza - Sul. Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 6.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1972. Os Solos e a vegetacao do Planalto Oeridental da Cela (Estudo Interpretativo). Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 26.
- DINTER, K., 1897. Botanising in South-West Africa. *Gdnrs' Chron.* 3,23: 338.
- DINTER, K., 1912. Die vegetabilische Veldkost Deutsch-Sudwest-Afrikas. Okahandja: Im Selbstverlag. pp. 47.
- DINTER, K., 1914. Neue und wenig bekannte pflanzen Deutsch-Sudwes-Afrikas, unter besonder Berücksichtigung der Succulenten. Okahandja: Im Selbstverlag. pp. 62.
- DINTER, K., 1921. Botanische Reisen in Deutsch-Sudwest-Afrika. Berlin: Repertorium specierum novarum regni vegetabilis. pp. 169. (Beih. Repert. Spec. nov. Regni veg. 3)
- DINTER, K., 1923a. Sukkulantenforschung in Sudwest-Afrika. Erlebnisse und Ergebnissmeiner Reise im Jahre 1922. Berlin: repertorium specierum novarum regni vegetabilis. pp. 80 (Beih. Repert. Spec. nov. Regni veg. 23)
- DINTER, K., 1923b. Beitrage zur Flora von Sudwest-Afrika. *Repert. Spec. nov. Regni veg.* 19: 122-160 & 177-186.
- DINTER, K., 1928. Index der aus Deutsch-Sudwestafrika bis zum Jahre 1917 bekannt geworden Pflanzenarten. *Repert. Spec. nov. Regni veg.* 15:77-92, 340-355 & 426-433, 16:167-174, 239-247 & 361-368, 17:185-192, 258-265 & 303-311, 18:13-16, 248-256 & 423-444, 19:93-96, 187-192, 235-240 & 315-320, 20:314-316, 22:108-112 & 375-383, 23:130-137, 227-236 & 363-371, 24:13-16, 302-304 & 366-368 & 25:49-51 & 209-210.
- DINTER, K., 1931. Diagnosen neuer sudwestafrikanischer Pflanzen. *Repert. Spec. nov. Regni veg.* 29: 253-272.
- DIVISION OF SOIL CONSERVATION AND EXTENSION, 1950. St John's Wort, a dangerous weed. *Fmg S. Afr.* 25: 61-63.
- DIXEY, F., 1944. The geomorphology of Northern Rhodesia. *Trans. geol. Soc. S. Afr.* 47: 9-45.
- DIXEY, F., 1955. Some aspects of the geomorphology of central and southern Africa. A. L. du Toit Memorial Lectures 4. *Trans. & Proc. geol. Soc. S. Afr. suppl.* 58.
- DIXON, H.N., 1920. New and interesting South African mosses. *Trans. R. Soc. S. Afr.* 8: 179-224.
- DIXON, H.N. & GEPP, A., 1923. Rehmann's South African mosses. *Bull. misc. Inf. R. bot. Gdns Kew* 6: 193-238.
- DIXON, H.N. & WAGER, H.A., 1924. New and noteworthy mosses from South Africa. *Trans. R. Soc. S. Afr.* 18: 247-261.
- DOIDGE, E.M., 1924. A preliminary check-list of plant diseases occurring in South Africa. *Mem. bot. Surv. S. Afr. No.* 6, pp. 56.
- DOIDGE, E.M., 1950. The South African fungi and lichens to the end of 1945. *Bothalia* 5: 1-1094.
- DOIDGE, E.M. & BOTTOMLEY, A.M., 1931. Revised list of plant diseases occurring in South Africa. *Mem. bot. surv. S. Afr. No.* 11, pp. 78.
- DOING, H., 1970. The use of phytosociological methods in various parts of the world. *Belmontia* 12: 53-62.
- DONALDSON, C.H., 1964. Bushes endanger cattle farming in the Molopo area of the northern Cape. *Fmg S. Afr.* 40,7: 21-25.
- DONALDSON, C.H., 1966. Control of blackthorn in the Molopo area with special reference to fire. *Proc. Grassld Soc. sth. Afr.* 2:57-62.
- DONALDSON, C.H., 1967a. Further findings on the effects of fire on blackthorn. *Proc. Grassld Soc. sth. Afr.* 2: 59-61.

- DONALDSON, C.H., 1967b. The immediate effects of the 1964/66 drought on the vegetation of specific study areas in the Vryburg district. Proc. Grassld Soc. sth. Afr. 2: 137-141.
- DONALDSON, C.H., 1974. Bush encroachment in South Africa. National Programme for Environmental Sciences (Terrestrial Biology). Paper presented at the 1st National Weeds Conference, 13-14 Aug. 1974, Pretoria.
- DONALDSON, C.H. & KELK, D.M., 1970. An investigation of the veld problems of the Molopo area. 1. Early findings. 2. Some practical implications of the experimental findings. Proc. Grassld Soc. sth. Afr. 5: 50-57 & 58-61.
- DONALDSON, C.H. & KELK, D.M., 1973. The development of semi-arid bushveld to its full potential. 3. Molopo. Proc. Grassld Soc. sth. Afr. 8: 143-146.
- DONALDSON, C.H. & KELK, D.M., 1974a. Bush eradication and control in the Molopo area: goats and sheep in the utilization and control of sage bush- blackthorn veld. Agric. Res., Pretoria, pp. 170.
- DONALDSON, C.H. & KELK, D.M., 1974b. Bush eradication and control in the Molopo area: conversion of dense mixed bushveld to savannah veld by mechanical and chemical means - Buttermere. Agric. Res., Pretoria, pp. 169.
- DONALDSON, C.H. & KELK, D.M., 1974c. Bush eradication and control in the Molopo area: large scale chemical eradication of blackthorn - Arizona. Agric. Res., Pretoria, pp. 172.
- DONALDSON, C.H. & KELK, D.M., 1974d. Bush eradication and control in the Molopo area: large scale chemical eradication of blackthorn - Bathurst. Agric. Res., Pretoria, pp. 170.
- DONALDSON, C.H. & KELK, D.M., 1974e. Bush eradication and control in the Molopo area: large scale chemical eradication of blackthorn - De Rust. Agric. Res., Pretoria, pp. 171.
- DONALDSON, C.H., KELK, D.M. & WEST, K.N., 1972. *Anthephora pubescens* Nees. Proc. Grassld Soc. sth. Afr. 7: 112-116.
- DONALDSON, C.H., NIEMANN, P.J. & SWART, J.A., 1968. The utilization and feeding value of milled woody plant species. Proc. Grassld Soc. sth. Afr. 3: 75-81.
- DOVE, K., 1893. Mittheilung uber das sudliche Damaraland. Verh. Ges. Erdk. Berl. 20: 399-402.
- DOVETON, D.M., 1936. The economic geography of Swaziland. Geogr. J. 88: 322-331.
- DOWNING, B.H., 1966. The plant ecology of Tabamhlope Vlei, Natal. M.Sc. thesis, University of Natal.
- DOWNING, B.H., 1968a. Notes on the ecology of Natal Highlands sourveld vleis. Proc. Grassld Soc. sth. Afr. 3: 131-134.
- DOWNING, B.H., 1968b. Subsurface erosion as a geomorphological agent in Natal. Trans. geol. Soc. S. Afr. 71: 131-134.
- DOWNING, B.H., 1972a. A plant ecological survey of the Umfolozi Game Reserve, Zululand. Ph.D. thesis, University of Natal.
- DOWNING, B.H., 1972b. Veld grazing studies at the Nortier experiment farm: vegetation map of the farm. Agric. Res., Pretoria, pp. 176.
- DOWNING, B.H., 1974. Reactions of grass communities to grazing and fire in the sub-humid lowlands of Zululand. Proc. Grassld Soc. sth. Afr. 9: 33-37.
- DREGE, I.L., 1913. Preliminary list of flowering plants, ferns and fern allies, found in the Port Elizabeth district. Rep. S. Afr. Ass. Advmt Sci. 9: 151-175.
- DREGE, J.F., 1840. Catalog Sudafricanischer Getrockeneter Pflanzen. Hamburg. pp. 16.
- DREGE, J.F. 1847a. Standorten-Verzeichnis der von C.L. Zeyher in Sud Afrika gesammelten pflanzen. Linnaea 19: 583-598.
- DREGE, J.F. 1847b. Vergleichungen der von Ecklon und Zeyher und von Drege gesammelten sudafricanischen Pflanzen mit den Exemplaren von Zeyher's neuesten Sammlungen. Linnaea 19: 599-680.
- DREGE, J.F., 1847c. Herbarien der sud afrikanischen aussertrophischen Flora. Hamburg. pp. 25.
- DREW, A. & REILLY, C., 1972. Observations on copper tolerance in the vegetation of a Zambian copper clearing. J. Ecol. 60: 439-444.
- DRUMMOND, R.B., 1972. A list of Rhodesian legumes. Kirkia 8: 209-229.
- DRUMMOND, R.B., 1975. A list of trees, shrubs and woody climbers indigenous or naturalised in Rhodesia. Kirkia 10: 229-285.
- DRUMMOND, R.B. & COATES PALGRAVE, K., 1973. Common trees of the Highveld. Salisbury: Longman Rhodesia. pp. 99.
- DRY, L.J., 1950. A preliminary investigation of the toxic principle of *Moraea polystachya* Ker. M.Sc. thesis, University of South Africa.
- DU PLESSIS, C.J., 1973. 'n Floristies-ekologiese studie van die plaas Doornkop in die distrik Middelburg, Transvaal. M.Sc. thesis, University of Pretoria.
- DU PLESSIS, M.C.F. & KROONTJIE, W., 1964. The relationship between pH and ammonia equilibria in soil. Proc. Soil Sci. Soc. Ann. 28: 751-754.
- DU PLESSIS, M.C.F. & MOSTERT, J.W.C., 1965. Afloop en grondverlies by die Landbounavorsingsinstituut Glen. S. Afr. Tydskr. Landbouwet. 8: 1051-1060.
- DU PLESSIS, S.F. & BURGER, R. DU T., 1965. A composition of chemical extraction methods for the evaluation of phosphate availability of top soils. S. Afr. J. agric. Sci. 8: 1113-1122.
- DU PLESSIS, S.F. & BURGER, R. DU T., 1966a. Phosphate fixation studies on two sandy soils of the Orange Free State Region. S. Afr. J. agric. Sci. 9: 117-126.
- DU PLESSIS, S.F. & BURGER, R. DU T., 1966b. The availability of different phosphate fractions. S. Afr. J. agric. Sci. 9: 331-340.
- DU PLESSIS, S.F. & BURGER, W.P., 1966. Comparison of two methods for determining organic carbon in soils. S. Afr. J. agric. Sci. 9: 721-724.
- DU PLESSIS, S.S., 1955. Die *Borassus*-Palm in Transvaal. Fauna Flora, Pretoria 6: 84-92.
- DU PLOOY, P.W., 1950. Die klimaat van Natal. M.Sc. thesis, University of Pretoria.
- DU PREEZ, C.M., 1968. Bitter bush in the Karoo. Fmg S. Afr. 44:5: 27-29.
- DU PREEZ, C.M.R., 1964. Die transpirasie van 'n aantal Karoo-bossoorte. M.Sc., (Agric.) thesis, University of the Orange Free State, pp. 110.
- DU PREEZ, C.M.R., 1965. Why Karoo bushes are drought resistant. Fmg S. Afr. 41: 17-19.
- DU PREEZ, C.M.R., 1970. The relative preference of merino sheep for a number of pelleted Karoo bush species. Proc. Grassld Soc. sth. Afr. 5: 126-131.
- DU PREEZ, C.M.R., 1973. The production potential of Karoo veld: growth and yield of Karoo bush and reaction to pruning. Agric. Res., Pretoria, pp. 153-154.
- DU TOIT, A.A., 1968. The soils of the sugar-producing areas in the south-eastern Lowveld of Rhodesia. Rhodesia agric. J. 65:4: 82-86.
- DU TOIT, A.G.S., 1931. Pasture management in Natal and East Griqualand. Fmg S. Afr. 5: 483-484 & 500.
- DU TOIT, A.L., 1927. The fossil flora of the upper Karoo beds. Ann. S. Afr. Mus. 22: 289-420.
- DU TOIT, A.L., 1932. Some fossil plants from the Karoo System of South Africa. Ann. S. Afr. Mus. 28: 369-393.
- DU TOIT, A.L., 1938. Geological and soil characteristics in relation to deterioration and conservation of natural resources in the Union. S. Afr. J. Sci. 35: 470-476.
- DU TOIT, E., 1940. Kikuyu grass as an aid in donga reclamation. Fmg S. Afr. 15: 55-56.
- DU TOIT, J., 1973. Morfologiese en produksiestudies op *Cenchrus ciliaris* L. M.Sc. thesis (Agric.), University of Pretoria.
- DU TOIT, J., RABIE, J.W. & GRUNOW, J.O., 1973. Produksie en morfologiese reaksie op ontblaring van *Cenchrus ciliaris* L. Proc. Grassld Soc. sth. Afr. 8: 117-121.
- DU TOIT, J.W., 1967. A preliminary survey of the soil mycoflora of an *Acacia karroo* Community in Potchefstroom with a description of new species. M.Sc. thesis, Potchefstroom University for CHE.
- DU TOIT, P.F., 1966. An autecological study of the seedling of *Acacia karroo*. M.Sc. (Agric.) thesis, University of Pretoria.
- DU TOIT, P.F., 1967. Bosindringing met spesifieke verwysing na *Acacia karroo*-indringing. Proc. Grassld Soc. sth. Afr. 2:119-126.
- DU TOIT, P.F., 1968a. A preliminary report on the effect of *Acacia karroo* competition on the composition and yield of sweet grassveld. Proc. Grassld Soc. sth. Afr. 3: 147-149.

- DU TOIT, P.F., 1968b. A simple method for the determination of leaf area of small leaves. S. Afr. J. agric. Sci. 11: 201-202.
- DU TOIT, P.F., 1971a. Incidence and intrusion of *Acacia karroo* in the Eastern Cape Region: influence of angora goat and merino sheep grazing on *A. karroo* regrowth. Agric. Res., Pretoria, pp. 173-175.
- DU TOIT, P.F., 1971b. Veld management studies: key experiments-Dohne Sourveld. Agric. Res., Pretoria, pp. 118-122.
- DU TOIT, P.F., 1972a. *Acacia karroo* intrusion: the effect of burning and sparing. Proc. Grassld Soc. sth. Afr. 7: 23-27.
- DU TOIT, P.F., 1972b. Incidence and intrusion of *Acacia karroo* in the Eastern Cape Region: influence of Boer goat and German merino sheep grazing on *A. karroo* regrowth. Agric. Res., Pretoria, pp. 171-172.
- DU TOIT, P.F., 1972c. The goat in a bush-grass community. Proc. Grassld Soc. sth. Afr. 7: 44-50.
- DU TOIT, P.F., 1973a. Incidence and intrusion of *Acacia karroo* in Eastern Cape Region: influence of burning and subsequent veld management on the regeneration of *A. karroo*. Agric. Res., Pretoria, pp. 135-159.
- DU TOIT, P.F., 1973b. Development of semi-arid bushveld to its full potential. 2. Eastern Cape. Proc. Grassld Soc. sth. Afr. 8: 141-142.
- DU TOIT, P.F., 1974. Studies on various grazing systems for the Dohne Sourveld: effects of time and height of winter defoliation as well as moisture in spring on regrowth. Agric. Res., Pretoria, pp. 172-176.
- DU TOIT, P.F. & INGPEN, R.A., 1970. Some effects of winter grazing of Dohne sourveld. Proc. Grassld Soc. sth. Afr. 5: 27-31.
- DU TOIT, P.F., INGPEN, R.A. & NEL, L.O., 1974. Effect of winter defoliation of Dohne sourveld on spring growth. Agroplantae 6: 67-72.
- DU TOIT, P.J., LOUW, F.G. & MALAN, A.I., 1940. A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Onderstepoort J. vet. Sci. Anim. Ind. 14: 323-327.
- DU TOIT, P.J., LOUW, J.G. & NOLAN, A.J., 1940. The nutritive value of the natural pastures of the Union of South Africa. Fmg S. Afr. 15: 229-232.
- DU TOIT, P.J., MALAN, A.I., LOUW, J.G., HOLZAPFEL, C.R. & ROETS, G.C.S., 1932. A study of the mineral content and feeding value of natural pastures in the Union of South Africa (first report). 18th Report Dir. Vet. Serv. Anim. Ind. S. Africa, pp. 525-577.
- DU TOIT, P.F. & NEL, L.O., 1973. Chemical control of *Acacia karroo*. Proc. Grassld Soc. sth. Afr. 8: 29-34.
- DU TOIT, R., 1947. The common reed (*Phragmites communis*) for soil erosion control. Fmg S. Afr. 22: 753-757.
- DU TOIT, R. & DU TOIT, E., 1938. Rhenoster bush as a weed. Fmg S. Afr. 13: 429-430 & 445.
- DURAND, T. & SCHINZ, H., 1898. Conspectus Florae Africae. Bull. Jard. bot. Etat Brux. 1,2: 268 & 5: 959.
- DUTHIE, A.V., 1924. The Eriopermums of the Stellenbosch flats. Annale Univ. Stellenbosch Serie A 2,3: 1-22.
- DUTHIE, A.V., 1926. Contribution to our knowledge of the Stellenbosch flora. The species of *Anthericum* and *Chlorophytum* of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 4,1: 23.
- DUTHIE, A.V., 1928a. Contribution to our knowledge of the Stellenbosch flora. Species of *Urginea* of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 6,2: 1-16.
- DUTHIE, A.V., 1928b. Contribution to our knowledge of the Stellenbosch flora. New or little-known flowering plants of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 6,3: 1-7.
- DUTHIE, A.V., 1929a. The species of *Isoetes* found in the Union of South Africa. Trans. R. Soc. S. Afr. 17: 321-332.
- DUTHIE, A.V., 1929b. The vegetation and flora of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 7,4: 1-59.
- DUTHIE, A.V., 1930. List of vascular cryptogams and flowering plants of the Stellenbosch flats. Annale Univ. Stellenbosch Serie A 8,4: 1-52.
- DYER, I.G.J., 1975. Secular variations in South African rainfall. Ph.D. thesis, University of the Witwatersrand.
- DYER, R.A., 1923. The water relations of some Natal plants with special reference to the leaves of *Paeroxylon utile* and *Portulacaria afra*. M.Sc. thesis, University of South Africa.
- DYER, R.A., 1930. The control of mimosa trees and scrub bush. Fmg S. Afr. 4: 649-650.
- DYER, R.A., 1931. Eradication of *Acacia* scrub or thorn bush. Fmg S. Afr. 5: 524.
- DYER, R.A., 1932a. Control of *Selago corymbosa* L. Fmg S. Afr. 6: 511-512.
- DYER, R.A., 1932b. Notes on the flora of southern Africa. Bull. misc. Inf. R. Bot. Gdns Kew 3: 152-155 & 9: 443-450.
- DYER, R.A., 1937. The vegetation of the divisions of Albany and Bathurst. Mem. bot. Surv. S. Afr. No. 17, pp. 138.
- DYER, R.A., 1938. Botanical exploration in South Africa. Cactus Succ. J., Los Ang. 8: 199-201 & 9: 68-70, 83-85, 99-100, & 123-125.
- DYER, R.A., 1940. A collecting trip for euphorbias. Cactus Succ. J., Los Ang. 12: 131-135.
- DYER, R.A., 1947. A note on the distribution of succulent *Euphorbia* in South Africa in relation to climate. Natn. Cactus. Succul. J. 2: 28-30.
- DYER, R.A., 1952a. A note on the distribution of the palms of South Africa with special reference to *Borassus* in the Transvaal. S. Afr. J. Sci. 48: 215-220.
- DYER, R.A., 1952b. A review of the literature on plant ecology of the arid and semi-arid areas of Angola, South West Africa Bechuanaland and the Union of South Africa. Arid zone Programme, UNESCO, Paris, pp. 23.
- DYER, R.A., 1955a. Structural and physiological features of the vegetation of arid and semi-arid areas of the Union of South Africa. In Plant ecology, proceedings of the Montpellier symposium, UNESCO, Paris. Arid Zone Research No. 5.
- DYER, R. A., 1955b. Angola, South-West Africa, Bechuanaland and the Union of South Africa. In Plant Ecology. Reviews of Research. pp. 195-218. UNESCO, Paris. Arid Zone Research No. 6.
- DYER, R.A., 1961. The contemporary scene in South African botany. S. Afr. J. Sci. 57: 265-272.
- DYER, R.A., 1965. The cycads of Southern Africa. Bothalia 8: 405-516.
- DYER, R.A., 1966. Impressions on the subject of the age and origin of the Cape Flora. S. Afr. J. Sci. 62: 187-190.
- DYER, T.G.J., 1975. Solar activity and rainfall variation in South Africa. S. Afr. J. Sci. 71: 369-372.
- EBERSOHN, J.D., 1962. Ecology of xerophyte savannah. Ph.D. thesis, University of the Witwatersrand.
- EBERSOHN, J.P., 1951. Veld management and land use studies at Koopmansfontein Agricultural Research Station, north-western Cape Province. Prog. Rep. Past. Res. S. Afr. No. 3,2, pp. 180-195.
- EBERSOHN, J.P., 1956. Veld management studies at Koopmansfontein with special reference to *Geigeria africana* and other undesirable plants. M.Sc. thesis, University of the Witwatersrand.
- ECKBO, N.B., 1937. Forest products investigations. S. Afr. J. Sci. 33: 362-372.
- ECKLON, C.F. 1827. Exkursion nach dem Tafelberge auf dem kap der guten Hoffnung. Flora 10: 417-427.
- ECKLON, C.F., 1830. A list of plants found in the district of Uitenhage between the months of July 1829 and February 1830. S. Afr. Quart. J. 1: 358-380.
- EDMONSTONE-SAMMONS, C., 1955. The fungal flora associated with black spot of pineapples. Part 2. Some aspects of the microflora of citrus soils. M.Sc. thesis, Rhodes University.
- EDWARDS, D., 1964. A plant ecological survey of the Tugela River Basin, Natal. Ph.D. thesis, University of Natal.
- EDWARDS, D., 1967. A plant ecological survey of the Tugela River Basin, Natal. Mem bot. Surv. S. Afr. no. 36, pp. 285.
- EDWARDS, D., 1968. Survey of conserved areas in South Africa. Afr. wild Life 22: 294-298.
- EDWARDS, D., 1969. Some effects of siltation upon aquatic macrophyte vegetation in rivers. Hydrobiologia 34: 29-37.
- EDWARDS, D., 1972a. Comment on paper. Grunow, J.O., Research relating to the management of South African grassland ecosystems. In Symposium on biological research and problems of the environment, 6 July 1972, Johannesburg pp. 51-53.
- EDWARDS, D., 1972b. Remote sensing in the evaluation of the natural vegetation resources of South Africa. In Proceedings of the symposium on remote sensing, 3-5 May 1972, pp. 99-102. Pretoria.

- EDWARDS, D., 1972c. Botanical survey and agriculture. Proc. Grassld Soc. sth. Afr. 7: 15-19.
- EDWARDS, D., 1973. An assessment of ERTS-I imagery for detecting vegetation patterns in the central Tugela River catchment area of Natal, South Africa. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale, CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 38-47.
- EDWARDS, D. & BENNISON, R.H. (eds), 1973. Report by November 1972 joint Botswana - South Africa survey of the extent and degree of occurrence of *Salvinia molesta* (Kariba weed) in the Chobe-Linyanti Kwando River system. Department of Agriculture, Pretoria, pp. 14.
- EDWARDS, D. & LEISTNER, O.A., 1971. A degree reference system for citing biological records in South Africa. Mitt. bot. StSamml., Münch. 10: 501-509.
- EDWARDS, D. & MUSIL, C.F., 1975. *Eichhornia crassipes* in South Africa - a general review. J. Limnol. Soc. sth. Afr. 1,1: 23-27.
- EDWARDS, D. & NEL, M.D.S., 1972. A reconnaissance survey of aquatic macrophytes in the Upper River Catchment. Civ. Engr S. Afr. 14,2: 85-88.
- EDWARDS, P.J., 1961a. Seeding of *Pennisetum clandestinum* in the Estcourt District of Natal. S. Afr. J. Sci. 57: 135.
- EDWARDS, P.J., 1961b. Studies in veld burning and mowing in the Tall Grass Veld of Natal. M.Sc. (Agric.) thesis, University of Natal, pp. 240.
- EDWARDS, P.J., 1965. Effect of storage in polyethylene bags on the green weight and drymatter content of herbage samples. S. Afr. J. agric. Sci. 8: 337-342.
- EDWARDS, P.J., 1966. Veld replacement by improved grasslands in Natal. Proc. Grassld Soc. sth. Afr. 1: 63-67.
- EDWARDS, P.J., 1967. Variation between observers using the point bridge method of botanical survey. S. Afr. J. agric. Sci. 10: 651-658.
- EDWARDS, P.J., 1968a. The long-term effects of burning and mowing on the basal cover of two veld types in Natal. S. Afr. J. agric. Sci. 11: 131-140.
- EDWARDS, P.J., 1968b. Veld classification and reclamation. College of Agriculture, Potchefstroom.
- EDWARDS, P.J., 1969. Veld burning in the Giant's Castle Game Reserve. Lammergeyer 10: 64-67.
- EDWARDS, P.J., 1971a. Resting of individual tufts of veld grass at various growth stages. Agric. Res., Pretoria, pp. 115.
- EDWARDS, P.J., 1971b. Veld burning with grazing in the tall grassveld. Agric. Res., Pretoria, pp. 114.
- EDWARDS, P.J., 1971c. Radical veld improvement in South Africa with special reference to the Highland Sourveld of Natal. Ph.D. (Agric.) thesis, University of Natal.
- EDWARDS, P.J., 1972. A system of veld classification and management planning. Tech. Commun. Dep. agric. Serv. (S. Afr.) Pretoria No. 102, pp. 12.
- EDWARDS, P.J., 1973. Definitions of some pasture terms. Proc. Grassld Soc. sth. Afr. 8: 133-135.
- EDWARDS, P.J., 1974. Estimates of carrying capacity and production from herbage yields and grazing days. Proc. Grassld Soc. sth. Afr. 9: 139-143.
- EDWARDS, P.J. & BOOYSEN, P. DE V., 1972. The future for radical veld improvement in South Africa. Proc. Grassld Soc. sth. Afr. 7: 61-66.
- EDWARDS, P.J., BOOYSEN, P. DE V. & MAPPLEDORAM, B.D., 1972. Effects of competition on the establishment of overseeded species in the highveld sourveld of Natal. Agriplantae 4,1: 1-8.
- EDWARDS, P.J. & COETSEE, G., 1971. Growth, vigour and carrying capacity of veld and how to determine it. Fmg S. Afr. 47,8: 38-39.
- EDWARDS, P.J. & COETSEE, G., 1972. Apply veld management against "gousiekte" now. Fmg S. Afr. 47: 13, 9-15.
- EDWARDS, P.J. & NEL, S.P., 1973. Short term effects of fertilizer and stocking rates on the Bankenveld. 1. Vegetational change. Proc. Grassld Soc. sth. Afr. 8: 83-88.
- EICKER, A., 1968. An ecological survey of the soil mycoflora of two forest communities in Zululand. D.Sc. thesis, Potchefstroom University for CHE.
- EICKER, A., 1970a. Ecological observations on soil fungi. S. Afr. J. Sci. 66: 327-334.
- EICKER, A., 1970b. Vertical distribution of fungi in Zululand soils. Trans. Br. mycol. Soc. 55,1: 45-57.
- ELIAS, F.D., 1971. This business of burning. Rhodesia agric. J. 68: 79-86.
- ELIOVSON, S., 1960. South African wild flowers for the garden. Cape Town: Timmins.
- ELIOVSON, S., 1962. Discovering wild flowers in Southern Africa. Cape Town: Timmins.
- ELIOVSON, S., 1972. Namaqualand in flower. Johannesburg: MacMillan.
- ELLENBERG, H. & MUELLER-DOMBOIS, D., 1967. Tentative physiognomic-ecological classification of plant formations of the earth. Ber. geobot. Forsch. Inst. Rubel 37: 21-55.
- ELLIOT, R.C. & FOLKERSEN, K., 1961. Seasonal changes in composition and yields of veld grass. Rhodesia agric. J. 58: 186-187.
- ELLIS, B.S., 1950. A guide to some Rhodesian soils. II. A note on Mopani soils. Rhodesia agric. J. 48: 49-61.
- ELLIS, B.S., 1951. The soils of Rhodesia. Rhodesia agric. J. 48: 182-212.
- ELOFF, F.G., 1964. Aspekte van ekologiese navorsing in woestyn. J. S. Afr. biol. Soc. 5: 25-26.
- ELOFF, F.G., 1971. Die mens en sy omgewing. Lantern, Dec., pp. 80-85.
- ENDEAN, F., 1967. The productivity of 'Miombo' Woodland in Zambia. Forestry Research Bulletin, Zambia 14.
- ENGELBRECHT, C.J., 1969. Soil survey of George area. M.Sc. (Agric.) thesis, University of Stellenbosch.
- ENGLER, A., 1881. Über die morphologischen Verhältnisse und die geographische Verbreitung der Gattung *Rhus*, wie der mit ihr verwandten, lebenden und ausgestorbenen Anacardiaceae. Bot. Jb. 1: 365-426.
- ENGLER, A., 1882. Versuch einer Entwicklungsgeschichte der Extratropischen florengebiete der Südlichen Hemisphäre und der Tropischen Gebiete. Leipzig: Engelmann. pp. 386.
- ENGLER, A., 1889. Plantae Marlothianae; ein Beitrag zur kenntnis der Flora Sudafricas. Bot. Jb. 10: 1-50 & 242-285.
- ENGLER, A., 1892. Über die Hochgebirgsflora des tropischen Afrika. Berlin: Abhandlungen der Preussischen Akademie der Wissenschaften, pp. 1-461.
- ENGLER, A., 1903. Über die Frühlingsflora des Tafelberges bei Kapstadt. Notizbl. bot. Gart. Mus. Berl. suppl. 9, pp. 58.
- ENGLER, A., 1904. Plants of the northern temperate zone in their transition to the high mountains of tropical Africa. Ann. Bot. 18: 523-540.
- ENGLER, A., 1906. Beiträge zur kenntnisse der Pflanzenformationen von Transvaal und Rhodesia. Sber. preuss. Akad. Wiss. 52: 866-906.
- ENGLER, A., 1908. Pflanzengeographische Gliederung von Afrika. Sber. preuss. Akad. Wiss. 38: 781-837.
- ENGLER, A., 1910. Die Pflanzenwelt Afrikas insbesondere seiner tropischen Gebiete. band 1. Leipzig: Engelmann. pp. 478.
- ENGLER, A., 1912. Beiträge zur flora von Afrika. Bot. Jb. 46: 1-292.
- ENGLER, A., 1915. Die Pflanzenwelt Afrikas insbesondere seiner tropischen Gebiete. Band 3. Leipzig: Engelmann. pp. 869.
- ENGLISH, E.F., 1929. Experimental studies of pulping South African hard woods. S. Afr. J. Sci. 26: 296-310.
- ENSLIN, J.F., 1971. Grondwater in riverbeddings in Suid-Afrika. S. Afr. J. Sci. 67: 109-118.
- ERASMUS, T., 1971. 'n Inleidende studie tot die paleoxilonomie in Suid Afrika met verwysing na *Dadoxylon* Endlicher en *Dammoxylon* Schultze-Motel uit die mesosoikum van Zoeloeland, Natal. M.Sc. thesis, University of Pretoria.
- ERNST, W., 1971. Zur ökologie der Miombo-Wälder. Flora, Jena 160: 317-331.
- ERNST, W., 1972. Ecophysiological studies on heavy metal plants in south central Africa. Kirkia 8: 125-145.
- ERNST, W., 1975. Variation in the mineral contents of leaves of trees in miombo woodland in south central Africa. J. Ecol. 63: 801-807.
- ERNST, W. & WALKER, B.H., 1973. Studies on the hydrature of trees in miombo woodland in south central Africa. J. Ecol. 61: 667-673.
- ERNST, W.H.O., 1974. Schwermetallvegetation der Erde. Stuttgart: Fischer.
- ERTL, M., 1971. A qualitative method of sampling periphyton from rough substrates. Limnol. Oceanogr. 16: 576-577.

- ESTERHUYSEN, E.E., 1936. Regeneration after clearing at Kirstenbosch. *Jl S. Afr. Bot.* 2: 177-185.
- EVANS, D.S., DEEMING, T.J., EVANS, B.H. & GOLDFARB, S., 1969. Herschel at the Cape. Austin University of Texas Press. pp. 398.
- EXELL, A.W., 1938. Dr Carrisso's botanical mission to Angola. *J. Bot., Lond.* 76: 121-134.
- EXELL, A.W., 1957. La Vegetation de l'Afrique Tropicale Australe. *Bull. Soc. r. Bot. Belg.* 89: 101-106.
- EXELL, A.W., 1960. History of botanical collecting in the Flora Zambeziaca area. In Exell, A.W. & Wild, H. (eds), *Flora Zambeziaca* 1: 23-34.
- EXELL, A.W., 1970. Summary of the Combretaceae of Flora Zambeziaca. *Kirkia* 7: 159-252.
- EXELL, A.W. & GONCALVES, M.L., 1973. A statistical analysis of a sample of the flora of Angola. Garcia de Orto, *Ser. Bot.* 1: 105-128.
- EXELL, A.W. & MENDONCA, F.A., 1951. Novdades da flora de Angola. *Bolm Soc. broteriana* 25: 101-112.
- EXELL, A.W. & WILD, H., 1962. A statistical analysis of a sample of the Flora Zambeziaca. *Kirkia* 2: 108-130.
- EYLES, F., 1912. Preliminary list of the plants of Southern Rhodesia. *S. Afr. J. Sci.* 8: 277-321.
- EYLES, F., 1917. A record of plants collected in Southern Rhodesia. *Trans. R. Soc. S. Afr.* 5: 273-564.
- EYLES, F., 1921. Constituents of the flora of Southern Rhodesia. *S. Afr. J. Sci.* 17: 181-184.
- EYLES, F., 1927. Ecological notes on the flora of Salisbury Commonage. *S. Afr. J. Sci.* 24: 289-297.
- EYRE, J., 1939. The South African intertidal zone and its relation to ocean currents. 7. An area in False Bay. *Ann. Natal Mus.* 9: 283-306.
- EYRE, J. & STEPHENSON, J.A., 1938. The South African intertidal zone and its relation to ocean currents. 5. A subtropical Indian Ocean shore. *Ann. Natal Mus.* 9: 21-46.
- EYRE, S.R. (ed.), 1971. *World vegetation types*. London: Macmillan. pp. 264.
- FABRICIUS, A.F., 1964. Drought investigation: north-western Transvaal. *S. Afr. J. Sci.* 60: 267-275.
- FAEGRI, K., 1965. Reflections on the development of pollination systems in African Proteaceae. *Jl S. Afr. Bot.* 31: 133-136.
- FAGAN, B.M., 1965. *Southern Africa during the Iron Age*. London: Thames & Hudson.
- FAIR, T.J.D., 1952. Agricultural regions and the European rural farm population of Natal. *S. Afr. geogr. J.* 34: 3-19.
- FAIR, T.J.D. & KING, L., 1954. Erosional land surfaces in the eastern marginal areas of South Africa. *Trans. geol. Soc. S. Afr.* 57: 19-26.
- FAJARDO, A., 1953. Gorongosa National Park. *Afr. wild Life* 7: 331-333.
- FALCONER, A.C., 1973. The phytoplankton ecology of Lake Mc Ilwaine, Rhodesia. M. Phil. thesis, University of London.
- FANSHAWE, D.B., 1960a. Mutemwa. *For. Newsl. Nth. Rhod.* 55: 22-29.
- FANSHAWE, D.B., 1960b. Old gardens in Mutemwa. *For. Newsl. Nth. Rhod.* 60: 17-18.
- FANSHAWE, D.B., 1960c. The origin of the *Baikiaea* Forest. *For. Newsl. Nth. Rhod.* 58: 9-10.
- FANSHAWE, D.B., 1961. Evergreen forest relics in Northern Rhodesia. *Kirkia* 1: 20-24.
- FANSHAWE, D.B., 1962a. Mukusi Forest on Sandstone Hills. *For. Newsl. Nth. Rhod.* 81: 28.
- FANSHAWE, D.B., 1962b. *Baikiaea* on basalt. *For. Newsl. Nth. Rhod.* 84: 17-18.
- FANSHAWE, D.B., 1962c. Burning experiments in Miombo Woodland. *CSA/CCTA Pubs* No. 52, pp. 63-64.
- FANSHAWE, D.B., 1962d. Riparian *Baikiaea*. *For. Newsl. Nth. Rhod.* 83: 9-10.
- FANSHAWE, D.B., 1962e. The mystery of the teak forests. *For. Newsl. Nth. Rhod.* 84: 19-20.
- FANSHAWE, D.B., 1962f. Thirty years later. *For. Newsl. Nth. Rhod.* 81: 24-25.
- FANSHAWE, D.B., 1963a. Floristic Composition of Miombo Woodland. *CCTA/CSA Pubs* No. 52, pp. 55-57.
- FANSHAWE, D.B., 1963b. Succession in Mukusi forests in Sesheke and Senanga. *For. Newsl. Nth. Rhod.* 88: 7-8.
- FANSHAWE, D.B., 1963c. Silviculture and management of Miombo Woodland *CSA/CCTA Pubs* No. 52, pp 101-104.
- FANSHAWE, D.B., 1964a. Vegetational classification. *For. Newsl. Zambia* 99: 6-7.
- FANSHAWE, D.B., 1964b. *Baikiaea* forest relics. *For. Newsl. Zambia* 97: 10.
- FANSHAWE, D.B., 1968a. The vegetation of the Copperbelt. *Forest Research Bulletin* 20, Division of Forest Research, Lusaka, pp. 47.
- FANSHAWE, D.B., 1968b. The vegetable ivory palm - *Hyphaene ventricosa* Kirk - its ecology, silviculture and utilisation. *Kirkia* 6: 105-116.
- FANSHAWE, D.B., 1968c. Vegetation of Lusaka - Feira district. *Forest Research Pamphlet* No. 13, Division of Forest Research, Lusaka, pp. 18.
- FANSHAWE, D.B., 1968d. The vegetation of Sesheke district. *Forest Research Pamphlet* No. 16, Division of Forest Research, Lusaka No. pp.14.
- FANSHAWE, D.B., 1968e. The vegetation of Zambian termitaria. *Kirkia* 6: 169-179.
- FANSHAWE, D.B., 1968f. The vegetation of Kabwe district. *Forest Research Pamphlet* No. 17, Division of Forest Research, Lusaka, pp. 30.
- FANSHAWE, D.B., 1968g. Vegetation of the Solwezi district. *Forest Research Pamphlet* No. 18, Division of Forest Research, Lusaka.
- FANSHAWE, D.B. 1969a. The vegetation of Zambia. *Forest Research Bulletin* 7, Kitwe; Zambia. pp. 67.
- FANSHAWE, D.B., 1969b. The vegetation of the Gwembe district. *Forest Research Pamphlet* No. 21, Division of Forest Research, Lusaka, pp.24
- FANSHAWE, D.B., 1969c. The vegetation of the Kalabo district. *Forest Research. Pamphlet.* No. 22, Division of Forest Research, Lusaka, pp. 19.
- FANSHAWE, D.B., 1969d. The vegetation of the Mongu-Lealui district. *Forest Research Pamphlet.* No. 23, Division of Forest Research, Lusaka, pp. 15.
- FANSHAWE, D.B., 1972a. The biology of the reed - *Phragmites mauritianus* Kunth. *Kirkia* 8: 147-150.
- FANSHAWE, D.B., 1972b. The biology of the wild ginger - *Aframomum biaufriculatum* K. Schum. *Kirkia* 8: 151-166.
- FANSHAWE, D.B. & HOUGH, C.D., 1960. Poisonous plants of Northern Rhodesia. *Forest Research Bulletin* 1, Division of Forest Research, Lusaka.
- FANSHAWE, D.B. & HOUGH, C.D., 1967. Poisonous plants of Zambia. *Forest Research Bulletin* 1 (revised), Division of Forest Research, Lusaka, pp.24.
- FANSHAWE, D.B. & MUTIMUSHI J.M., 1969. A checklist of plant names in the Nyanji languages. *Forest Research Bulletin* 21, Division of Forest Research, Lusaka..
- FANSHAWE, D.B. & SAVORY, B.M., 1964. *Baikiaea plurijuga* dwarf-shell Forests. *Kirkia* 4: 185-190.
- FARINI, G.A., 1885. Die Kalahari. *Verh. Ges. Erdk. Berl.* 12: 445-461.
- FARINI, G.A., 1886. A recent journey in the Kalahari. *Proc. R. Geogr. Soc.* 8: 437-450.
- FARRELL, J.A., 1964. A Hlengwe-botanical dictionary of some trees and shrubs in Southern Rhodesia. *Kirkia* 4: 165-172.
- FARRELL, J.A.K., 1968a. Preliminary notes on the vegetation of the lower Sabi-Lundi basin, Rhodesia. *Kirkia* 6: 223-248.
- FARRELL, J.A.K., 1968b. Preliminary notes on the vegetation of southern Gokwe district. Rhodesia. *Kirkia* 6: 249-257.
- FEELY, J.M., 1965. Observations on *Acacia albid*a in the Luangwa Valley. *Puku* 3: 67-70.
- FEELY, J.M., 1966. Natal wildlife conservation problems. *Natal Wildlife* 7.
- FERRAR, A.A. & WALKER, B.H., 1974. An analysis of herbivore/habitat relationships in the Kyle National Park, Rhodesia. *J. sth. Afr. Wildl. Mgmt Ass* 4: 137-147.
- FERREIRA, D.P. & SMALL, J.G.C., 1974. Preliminary studies on seed germination of *Drosera aliciae* Hamet. *Jl S. Afr. Bot.* 40: 65-73.
- FERREIRA, J.C., 1973. Preliminary investigation of the hydrobiology of the erven to be impounded by the Dorwendale Dam. University of Rhodesia (cyclostyled report).
- FERREIRA, J.C., 1974. Autecological studies of *Polygonum senegalense* Meisn. M.Sc. thesis, University of Rhodesia.
- FEY, M., 1970. A preliminary investigation into the effects of afforestation of the headwaters of streams in the Natal Midlands. University of Natal Wildlife Soc. *Newsl.* 16, pp. 30.

- FFOLLIOT, P. & LIVERSIDGE, R., 1971. Ludwig Krebs. Cape Naturalist to the King of Prussia. 1792-1844. Cape Town: Balkema.
- FICALHO, CONDE DE, 1884. Plantas teis da Africa Portuguesa. Lisboa: Imprensa Nacional. pp. 279.
- FICK, J.C., 1944. Skending van die grond- veld- en waterbronne. Suid-Afrika. Kaapstad.
- FIELD, J.G., 1970. The use of numerical methods to determine benthic distribution patterns from dredgings in False Bay. Trans. R. Soc. S. Afr. 39: 183-200.
- FISCHER, J., 1936. Grasses for pastures in Natal. Fmg S. Afr. 11: 97-98.
- FISHER, B.S. & SCHWEICKERDT, H.G., 1941. A critical account of the species of *Dactyloctenium* Willd. in Southern Africa. Ann. Natal Mus. 10: 47-77.
- FISHER, H.S., 1932. An ecological study of a thornveld area with special reference to aspect. M.Sc. thesis, University of South Africa.
- FLINT, R.F., 1959. Pleistocene climates in eastern and southern Africa. Bull. geol. Soc. Am. 70: 343-374.
- FLUGGE-DE SMIDT, R.A.H., 1947. Flowers by the roadside. Johannesburg: Swan.
- FORBES, A.T. & ALLANSON, B.R., 1970. Ecology of the Sundays River. 1. Water chemistry. Hydrobiologia 36: 479-488.
- FORBES, H.M.L., 1920. An account of the flora of the Malvern district. S. Afr. J. nat. Hist. 2: 195-208.
- FORBES, H.M.L., 1921. The flora of Isipingo. S. Afr. J. Sci. 18: 348-358.
- FORBES, H.M.L., 1923. A note of the flora of Salisbury Island (Durban Bay). S. Afr. J. Sci. 20: 304-308.
- FOSTER, R.E.D., n.d. An investigation of the effects of seasonal overgrazing on the sward. M.Sc. (Agric.) thesis, University of Pretoria.
- FOURCADE, H.G., 1889. Report on the Natal forests. Pietermaritzburg: Government Printer. pp. 197.
- FOURCADE, H.G., 1934. Contributions to the flora of the Knysna and neighbouring divisions. Trans. R. Soc. S. Afr. 21: 75-102.
- FOURCADE, H.G., 1941. Check-list of the flowering plants of the divisions of George, Knysna, Humansdorp and Uniondale. Mem. bot. Surv. S. Afr. No. 20, pp. 127.
- FOURIE, J., 1972. Ecology of De Wet's-Bay. Veld & Flora 2: 20.
- FOURIE, J.H., 1974. 'n Vergelykende studie van drie veld-tipes in Noord-Kaapland. M.Sc. (Agric.) thesis, University of the Orange Free State.
- FOURNIER, F., 1967. Research on soil erosion and soil conservation in Africa. Soils afr. 12: 53-96.
- FRANKEL, E. & BEATER, B.E., 1965. The weathering of granite on the south coast of Natal. Proc. 39th Cong. S. Afr. Sug. Technol. Ass. pp. 254-257.
- FRANKISH, M.S., 1960. An anatomical and autecological study of *Fimbristylis complanata* (Retz.) Link in Natal. M.Sc. thesis, University of Natal.
- FRIES, R.E., 1914. Botanische untersuchungen. Band 1. Wissenschaftliche ergebnisse der Schweidischen Rhodesia - Kongo expedition 1911-1912. Stockholm.
- FRITSCH, F.E., 1918. Contributions to our knowledge of the freshwater algae, mostly from the Cape Peninsula in the Herbarium of the South African Museum. Ann. S. Afr. Mus. 9: 483-611.
- FRITSCH, F.E. & RICH, F., 1924. Contributions to our knowledge of the freshwater algae of Africa. 4. Freshwater and subaerial algae from Natal. Trans. R. Soc. S. Afr. 11: 297-398.
- FRITSCH, F.E. & RICH, F., 1929. Contributions to our knowledge of the freshwater algae of Africa. 13. Trans. R. Soc. S. Afr. 25: 153-228.
- FRITSCH, F.E. & RICH, F., 1930a. Contributions to our knowledge of the freshwater algae of Africa. 7. Freshwater algae from Griqualand West. Trans. R. Soc. S. Afr. 18: 1-92.
- FRITSCH, F.E. & RICH, F., 1930b. Contributions to our knowledge of the freshwater algae of Africa. 8. Bacillariales (diatoms) from Griqualand West. Trans. R. Soc. S. Afr. 18: 93-123.
- FRITSCH, F.E. & STEPHENS, E., 1921. Contributions to our knowledge of the freshwater algae of Africa. 3. Freshwater algae mainly from the Transkei territories, Cape Colony. Trans. R. Soc. S. Afr. 9: 1-72.
- FRITSCH, K., 1899. Über eine von Welwitsch in Angola entdeckte Art der Gattung *Streptocarpus*. Ber. dt. bot. Ges. 17: 417-423.
- FROMMURZE, H.F., 1949. Receding underground water levels. S. Afr. J. Sci. 46: 1.
- FURNESS, H.D., 1974. Eutrophication studies in the catchment areas of Midmar Dam. M.Sc. thesis, University of Natal.
- GAERDES, J., 1967. Über sudwestafrikanische pfeilgifte. JI S. W. Africa scient. Soc. 21: 33-89.
- GAFF, D.F., 1971a. The resurrection plants of South West Africa. S.W.A. scient. soc. Newsl. 12.2: 3-4.
- GAFF, D.F., 1971b. Desiccation-tolerant flowering plants in Southern Africa. Science 174: 1033-1034.
- GAFF, D.F., 1972. Drought resistance in *Welwitschia mirabilis* Hook. f. Dinteria 7: 3-7.
- GAFF, D.F. & ELLIS, R.P., 1974. Southern African grasses with foliage that revives after dehydration. Bothalia 11: 305-308.
- GALE, G.W., 1921a. The aeration system of certain Natal plants. M.Sc. thesis, University of South Africa.
- GALE, G.W., 1921b. A preliminary account of some investigations on leaf-aeration in certain Natal plants. S. Afr. J. Sci. 18: 153-155.
- GALLWEY, B.M.G., 1956. Cuticular absorption of water by leaves. M.Sc. thesis, University of Natal.
- GALPIN, E.E., 1909. A contribution to the knowledge of the flora of the Drakensberg. Rep. S. Afr. Ass. Advmt Sci. 6: 209-229.
- GALPIN, E.E., 1924. The native timber trees of the Springbok Flats. Mem. bot. Surv. S. Afr. No. 7, pp. 26.
- GALPIN, E.E., 1926. Botanical survey of the Springbok Flats, Transvaal. Mem. bot. Surv. S. Afr. No. 12, pp. 100.
- GALPIN, E.E. & GALPIN, E.A., 1935. Some biological notes on *Boscia rehmanniana* Pest., and *Olea verrucosa* Link. Trans. R. Soc. S. Afr. 23: 255-258.
- GAMBLE, J.S., 1890. A forester's short trip to the Cape Peninsula. Indian Forester 16: 431-444.
- GANDOGHER, M., 1913. L'herbier africain de Sonder. Bull. Soc. bot. France 60: 414-422 & 445-462.
- GANSSEN, R., 1963. Südwestafrika, boden und bodenkultur. Versuch einer Klimapedologie der Trockengebiete. Berlin: Reimer. pp. 160.
- GANSSEN, R. & MOLL, W., 1961. Beiträge zur Kenntnis der Boden warm-arider Gebiete, dargestellt am Beispiel Südwestafrikas. Z. Pflernähr. Dung. Bodenk. 94: 9-25.
- GARABEDIAN, S., 1925. Contributions to a knowledge of the flora of South West Africa. 1. List of grasses. Ann. S. Afr. Mus. 16: 381-426.
- GARNETT-BATFIELD, S.K., 1939. A trip to the Drakensberg mountains. Q. Bull. alp. Gdn Soc. 7: 340-343.
- GARSIDE, S., 1949. *Sphagnum* in South Africa. JI S. Afr. Bot. 15: 59-78.
- GAUDET, J.J., 1973. Growth of a floating aquatic weed, *Salvinia* under standard conditions. Hydrobiologia 41: 77-106.
- GELDENHUIS, C.J., 1975a. Die autekologie van *Podocarpus falcatus*. M.Sc. thesis, University of Stellenbosch.
- GELDENHUIS, C.J., 1975b. Die kunsmatige vestiging van inheemse bos in die Suid-Kaap. For. S. Afr. 16: 45-53.
- GELLERT, J.F., 1948. Klimabedingtheid und wirtschafte geographische struktur der farmwirtschafte und farmsiedlung in Südwestafrika. Erdkunde 2: 282-302.
- GELLERT, J.F., 1950a. Ein Jahrzehnt Niederschlagschwankungen und ihre Auswirkungen auf das Weideland und die Wirtschafte. Erkunde 4: 110-112.
- GELLERT, J.F., 1950b. Regen- und Durrekatastrophen im südlichen Afrika. Urania 13: 223-229.
- GELLERT, J.F., 1966. Planetarische zirkulation und landschaftsgestaltung in Afrika derlud-achswelle, am beispiel von Südwestafrika. Wiss. Veroff. dt. Inst. Landerk. 23/24: 287-305.
- GENTZ, I., 1902. Die hauptschweirigkeiten des gartenbaues in Deutsch-Südwestafrika. Tropenflanzer 6: 234-237.
- GERICKS, S. J. & MENTZ, G. J., 1973. Evaluation of ERTS-1 imagery for small scale mapping of general agricultural information. In Malan, O. G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale, CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 33-36.

- GERMISHUIZEN, G., 1975. Some endangered succulents of the Transvaal. Fauna Flora, Pretoria 26: 5-7.
- GERSTNER, J., 1941. A preliminary check-list of Zulu plant names. Bantu Stud. 12: 236-251 & 321-342, 13: 49-64, 131-149 & 307-325 & 15: 277-301 & 369-383.
- GERSTNER, J., 1946. Some factors affecting the perpetuation of our indigenous silva. JI S. Afr. For. Ass. No 13: 4-11.
- GETZ, W. M. & STARFIELD, A. M., 1975. Sensitivity analysis of a sample linear model of savanna ecosystem at Nylsvley. South African National Scientific Programmes Report 2, National Scientific Programmes Unit, CSIR, Pretoria.
- GEVERS, T.W., 1948. Drying rivers in the north-eastern Transvaal. S. Afr. geogr. J. 30: 17-44.
- GEVERS, T.W., 1950. Effects of afforestation on water supplies. With reference to Bulletin No.33, Department of Forestry, Union of South Africa. JI S. Afr. For. Ass. No. 19, pp. 67-76.
- GEVERS, T.W. & HART, O., 1963. Thermal waters along the Swakop River, South West Africa. Trans. geol. Soc. S. Afr. 66: 157-189.
- GEYER, J.W.C., 1947. A study of the biology and ecology of *Exochamus flavipes* Thunb. (Coccinellidae, Coleoptera). Part 1 and 2. J ent. Soc. sth. Afr. 9: 219-234 & 10: 64-109.
- GIBBS, L.S., 1902. A contribution to our knowledge of the botany of Southern Rhodesia. J. Linn. Soc.(Bot.) 37: 425-494.
- GIBBS RUSSELL, G.E., 1974. The vascular aquatic plants of Rhodesia. Ph.D. thesis, University of Georgia, U.S.A.
- GIBBS RUSSELL, G.E., 1975a. Distribution of vascular aquatic plants in Rhodesia. S. Afr. J. Sci. 71: 270-272.
- GIBBS RUSSELL, G.E., 1975b. Comparison of the size of various African floras. Kirkia, 10: 123-130.
- GIBBS RUSSELL, G.E. & BIEGEL, H.M., 1973. Report on botanical collecting trips to Maun and the northern Okavango. Botswana Notes and Records 5: 154-169.
- GIBSON, J.M., 1975. Wild flowers of Natal (coastal region). Durban: Natal Publishing Trust Fund pp. 136.
- GIDDY, C., 1974. Cycads of South Africa. Cape Town: Purnell. pp. 122.
- GIESS, W., 1962. Some notes on the vegetation of the Namib Desert with a list of plants collected in the area. Cimbebasia Memoir No. 2, pp. 2-35.
- GIESS, W., 1966. "Veldbast" in Sudwestafrika. JI S. W. Africa scient. Soc. 20: 59-68.
- GIESS, W., 1968a. A short report on the vegetation of the Namib coastal area from Swakopmund to Cape Fria. Dinteria 1: 13-29.
- GIESS, W., 1968b. Die Gattung *Rhigozum* Burch. und ihre Arten in Sudwestafrika. Dinteria 1: 31-51.
- GIESS, W., 1969a. Die verbreitung von *Lindernia intrepidus* (Dinter) Oberm. (*Chamaeigigas intrepidus* Dinter) in Sudwestafrika. Dinteria 2: 23-28.
- GIESS, W., 1969b. *Welwitschia mirabilis* Hook fil. Dinteria 3: 1-55.
- GIESS, W., 1970a. Ein beitrage zur Flora des Etosha National Parks. Dinteria 5: 19-38.
- GIESS, W., 1970b. *Moringa ovalifolia*: die boom van die Sprokieswoud in die Nasionale Etoshawildtuin. Dinteria 5: 57-58.
- GIESS, W., 1970c. Die verbreitung von *Moringa ovalifolia* Dinter & Berger in Sudwestafrika. Dinteria 5: 59-64.
- GIESS, W., 1970d. Pflanzenwunder in Vley, Pfannen und Wassertumpeln im trocken Sudwestafrika SWA Yearbook pp. 181-183.
- GIESS, W., 1971. A preliminary vegetation map of South West Africa. Dinteria 4: 5-114.
- GIESS, W., 1974a. Swei Fahrten zur *Jensenobotrya lossowiana* Herre. Dinteria 10: 3-12.
- GIESS, W., 1974b. Beobachtungen zur Sudwester flora. Dinteria 10: 35-44.
- GIESS, W. & TINLEY, K.L., 1968. South West Africa. Acta phytogeogr. succ. 54: 250-253.
- GIFFEN, M.H., 1963a. Contributions to the diatom flora of South Africa: Diatoms of the estuaries of the Eastern Cape Province. Hydrobiologia 21: 201-265.
- GIFFEN, M.H., 1963b. Contributions to the diatom flora of South Africa. IV. The marine littoral diatoms of the estuary of the Kowie River, Port Alfred, Cape Province. Beih. Nova Hedwigia 31: 259-307.
- GIFFEN, M.H., 1966a. Contributions to the diatom flora of South Africa. Nova Hedwigia 13: 245-292.
- GIFFEN, M.H., 1966b. Contributions to the diatom flora of Southern Africa. II. The diatoms from the Hog's Back Region of the Amatola Mountains, Eastern Cape Province, South Africa. Beih. Nova Hedwigia 21: 123-150.
- GIFFEN, M.H., 1967. Contributions to the diatom flora of South Africa. III. Diatoms of the marine littoral regions at Kidds Beach near East London, Cape Province. Ph.D. thesis, University of South Africa.
- GIFFEN, M.H., 1971. Marine littoral diatoms from Gordon's Bay region of False Bay, Cape Province. Botanica mar. 14: 1-16.
- GIFFEN, M.H., 1973. Diatoms of the marine littoral of Steenberg's Cove in St Helena Bay, Cape Province, South Africa. Botanica mar. 16: 32-48.
- GILLILLAN, N.H., 1965. Our national parks. Afr. wild Life 19: 183-191.
- GILGES, W., 1955. Some African poison plants and medicines of Northern Rhodesia. Occ. Pap. Rhodes-Livingstone Mus. 11: 1-33.
- GILLARD, P., 1963a. An ecological study of grazing intensity on *Trachypogon* - and other species grasslands. Ph.D. thesis, University of the Witwatersrand.
- GILLARD, P., 1963b. The effect of grazing intensity on cattle gains and on the vegetation of the Bankenveld. S. Afr. J. Sci. 59: 64-65.
- GILLARD, P., 1966. Responses to grazing intensity on the Transvaal Highveld. Expl. Agric. 2: 217-224.
- GILLARD, P., 1969. The effect of stocking rate on botanical composition and soils in natural grassland in South Africa. J. appl. Ecol. 6: 489-497.
- GILLHAM, M.E., 1963. Some interactions of plants, rabbits and sea birds on South African Islands. J. Ecol. 51: 275-294.
- GILLILAND, H.B., 1938. A proposed delimitation of botanical countries for Southern Rhodesia. JI S. Afr. Bot. 4: 65-71.
- GILLILAND, H.B., 1939. The vegetation of Rhodesian Manicaland. JI S. Afr. Bot. 4: 73-99.
- GILLILAND, H.B., 1949. Experiments on the vegetative propagation of *Cynodon* species. Better turf through Research. Johannesburg: AECI.
- GILLILAND, H.B., 1950. Some current problems concerning the understanding of African vegetation. Geogr. Rev. 40: 466-468.
- GILLILAND, H.B., 1953. On the history of plant study upon the Witwatersrand. JI S. Afr. Bot. 19: 93-104.
- GILLILAND, H.B., 1955. On the phenology of the veld around Johannesburg. JI S. Afr. Bot. 21: 77-82.
- GILLILAND, H.B., SHERRIN, W.R. & ALSTON, A.H.G., 1938. Notes on the flora of Rhodesian Manicaland. JI S. Afr. Bot. 4: 143-156.
- GILLILAND, M., 1962. The flora of the Hans Merensky Nature Reserve. Fauna Flora, Pretoria 13: 41-49.
- GILLMAN, H., 1934. The indication significance of "slangbos" *Stoebe cinerea* Thunb. M.Sc. thesis, University of the Witwatersrand.
- GLEDHILL, E., 1970. Eastern Cape veld flowers. Cape Town: Department of Nature Conservation of the Provincial Administration of the Cape of Good Hope. pp. 271.
- GLOVER, P.E., 1937a. Some hints on the determination of certain highveld grasses vegetatively. S. Afr. J. Sci. 33: 443-500.
- GLOVER, P.E., 1937b. 1. The ecology of the Frankenwald type of flora. 2. The utility of aerial photographs as an aid to botanical survey. M.Sc. thesis, University of the Witwatersrand.
- GLOVER, P.E. 1937c. A contribution to the ecology of the Highveld flora. S. Afr. J. Sci. 34: 224-259.
- GLOVER, P.E., 1938. The utility of aerial photographs as an aid to botanical survey. JI S. Afr. Bot. 4: 35-44.
- GLOVER, P.E. & VAN RENSBURG, H.J., 1938. A contribution to the ecology of the highveld grassland at Frankenwald, in relation to grazing and burning. S. Afr. J. Sci. 35: 274-279.
- GODWIN, H., 1929. The sub-climax and deflected succession. J. Ecol. 17: 144-147.
- GOHL, C.R., 1944. Drift sand reclamation and coast stabilisation in the south-western districts of the Cape Province. JI S. Afr. For. Ass. 12: 4-18.

- GOLDTHORP, G.D., 1957. The ecology and land use of the Belingwe Shabani Intensive Conservation Area. Rhodesia agric. J. 54: 402-437.
- GOMES E SOUSA, A. DE F., 1930. Aspectos da flora de Mozambique. Bolm agric. pecuar. Mozamb. 3-4: 27-35.
- GOMES E SOUSA, A. DE F., 1932. Aspectos da flora de Mozambique. Bolm agric. pecuar. Mozamb. 1-4: 13-19.
- GOMES E SOUSA, A. DE F., 1933. Flora de Mozambique. Bolm agric. pecuar. Mozamb. pp. 119-129.
- GOMES E SOUSA, A. DE F., 1935. Subsídios para o estudo flora do Niassa Portugues. Bolm Soc. Estud. Mozamb. 4,26: 71-130.
- GOMES E SOUSA, A. DE F., 1940. Subsídios para o Estudo da flora de Inhambane. Boletim Economico e Estatistico Serie especial 20.
- GOMES E SOUSA, A. DE F., 1949. A phyto-geographical sketch of Mozambique. S. Afr. J. Sci. 45: 43-55.
- GOMES E SOUSA, A. DE F., 1955. A proteazao da Natureza no Ultramar Portugues, especialmente em Mozambique. Bolm Soc. Estud. Mozamb. 25: 3-23.
- GOMES E SOUSA, A. DE F., 1959. The forests of Inhaminga. S. Afr. J. Sci. 55: 122.
- GOMES E SOUSA, A. DE F., 1966. Dendrologia de Mocambique. Vol. 1 & 2. Lourenco Marques: Instituto de Investigacao Agrinamica de Mocambique, pp. 462 & 463-822.
- GOMES E SOUSA, A. DE F., 1968. Mozambique flora of maritime dispersal (a brief outline). Agronomia mocambicana 2: 127-137.
- GOMES PEDRO, F., 1954. Contribuiçoes para o Inventario floristicos de Mozambique, I Pteridofitas - Monocotiledoneas. Bolm Soc. Estud. Mozamb. 24,87: 1-47.
- GOMES PEDRO, J. & GRANDVAUX BARBOSA, L. A., 1955. Esboco da vegetao de Mocambique. In Esboco do reconhecimento ecologia - agricola de Mocambique. Mems Trab. Cent. Invest. cient. algod. 23: 67-226.
- GOMES, M.P., 1969. Solos "Musseques" da Bacia Sedimentar do Cuanza. Nova Lisboa, Instituto de Investigacao Agronomica de Angola.
- GONCALVES, C.A. & SOARES, H., 1972. Actualizacao do estudo climatico e definicao de zonas de sequeiro e definicao de zonas de sequeiro e de regadio no Vale do Zambese. Fomento, Madr 10,4: 313-491.
- GONCALVES, M.L., 1971. Indice toponomico de Mozambique. Lisboa: Centro de Botanica da Juta de Investigacoes do Ultramar. pp. 128.
- GOODIER, R. & PHIPPS, J.B., 1961. A revised check-list of the vascular plants of the Chimanimani Mountains. Kirkia 1: 44-66.
- GOODIER, R. & PHIPPS, J.B., 1962. Preliminary account of the plant ecology of the Chimanimani Mountains. J. Ecol. 50: 291-391.
- GOODIER, R. & PHIPPS, J.B., 1963. A Vegetation map of Chimanimani National Park. Kirkia 3: 2-7.
- GOODMAN, P.S., 1975. The relation between vegetation structure and its use by wild herbivores in a riverine habitat. M. Sc. thesis, University of Rhodesia.
- GOODWIN, A.J.H., 1939. The origin of certain African food-plants. S. Afr. J. Sci. 36: 445-463.
- GOOSSENS, A.P., 1932. A brief note on the flora in the neighbourhood of Heilbron, Orange Free State. Pamph. S. Afr. biol. Soc. No. 5, pp. 30-35.
- GOOSSENS, A.P., 1934a. A note on the floral evolutionary tendencies, differentiation and distribution of the South African Labiatae. Trans. R. Soc. S. Afr. 21: 245-257.
- GOOSSENS, A.P., 1934b. Die grasse en grasvelde van die Oranje-Vrystaat. Ph.D. thesis, University of South Africa.
- GOOSSENS, A.P., 1938. A study of the South African species of *Sporobolus* R. Br. with special reference to leaf anatomy. Trans. R. Soc. S. Afr. 26: 173-223.
- GOOSSENS, A.P. & STAPELBERG, L., 1933. A brief note on the macroscopic aspect of some western Transvaal grasses. S. Afr. J. Sci. 30: 212-219.
- GOPAL, B., 1971. Ecology of *Marsilea* species with special reference to dry matter production. Hydrobiologia 12: 159-168.
- GORDON, T., 1973. The Lemon Forest. Trees S. Afr. 25,2: 30-36.
- GORDON, T., 1974. Indigenous trees of Rhodesia. Trees S. Afr. 26,1: 20-22.
- GORDON-GRAY, K.D., 1965. *Acacia robusta* Burch. and *Acacia clavigera* E. Mey. in Natal, South Africa. Brittonia 17: 202-213.
- GORDON-GRAY, K.D. & WARD, C.J., 1971. A contribution to knowledge of *Phragmites* (Gramineae) in South Africa, with particular reference to Natal populations. JI S. Afr. Bot. 37: 1-30.
- GORTER, G.J.M.A., 1971. Nuwe rigtings in die chemiese bestryding van plantsekte. Tydskr. Natuurwet 11,2: 82-92.
- GOSNELL, J.M. & THOMPSON, G.D., 1965. Preliminary studies on soil moisture extraction by sugarcane using the neutron probe. S. Afr. Sug. J. 49: 253-265.
- GOSEL, D.R. & NORRIS, W.E., 1971. Relationship between nutrient availability and content of nitrogen and phosphorus in tissues of the aquatic macrophyte, *Eichhornia crassipes* (Mart.) Solms. Hydrobiologia 38,1: 15-28.
- GOSSWEILER, J., 1953. Nomes indigenas de plantas de Angola. Agronomia angol. suppl. 7: 1-587.
- GOSSWEILER, J. & MENDONCA, F.A., 1941. The grasslands of Angola. Herb Abstr. suppl. 11,4: pp. 61-65.
- GOUDIE, A., 1972. Climate, weathering, crust formation, dunes and fluvial features of the central Namib Desert, near Gobabeb, South West Africa. Madoqua 2,1: 15-31.
- GOUEIA, D.G., 1968. Vertisols of the north of Mozambique. Agronomia mocambicana 2,3: 139-147.
- GOUEIA, D.G., 1969. Natural regions and agrarian zones of Mozambique. Agronomia mocambicana 3,2: 61-78.
- GOUEIA, D.G. & AZEVEDO, A.L., 1955. Os solos. Cap 5. In Esboco do reconhecimento ecologico - agricola de Mozambique. Vol. 2. Mems Trab. Cent. Invest. cient. algod. 23: 3-63.
- GOUEIA, D.G. & BARBOSA, L.G., 1967. Ecological-agricultural survey of Mozambique. Agronomia mocambicana 1: 15-20.
- GOUEIA, D.H.G., 1956. Reconhecimento do Baixa da Cassange (Angola). Mems Jta Invest. Ultramar Ser de pedologia tropical 4.
- GOUWS, J.B., 1939. 'n Ekologiese studie van die flora op en om Loskop by Waterval-Bo (Transvaal). M.Sc. thesis, University of Pretoria. pp. 146.
- GOYNS, H.G., 1971. The Baynes Mountains: a reconnaissance. S. Afr. J. Sci. 67: 22-24.
- GRAHAM, E.H., 1944. Natural principle of land use. New York: Oxford University Press.
- GRAHAM, M. & HALL, T.D., 1933. Pasture investigations in Southern Rhodesia. S. Afr. J. Sci. 30: 288-306.
- GRANDVAUX BARBOSA, L.A., 1950. Esboco da vegetacao de poste do Distrito de Tete. Lourenco Marques: Centro de Investigacao Cientifica Algodoeira (Mimeographed).
- GRANDVAUX BARBOSA, L.A., 1953. Esboco da vegetacao da Zambesia. Lejeunia 16: 127-135.
- GRANDVAUX BARBOSA, L.A., 1958. Contribuicao para a fitosociologia do novo *Pterocarpus brenanii*. Bolm Soc. Estud. Mocamb. 111: 69-86.
- GRANDVAUX BARBOSA, L.A., 1959. Phytosociology of *Pterocarpus brenanii*. S. Afr. J. Sci. 55,4: 92.
- GRANT, P.J., CLATWORTHY, J.N. & GOLDSCHMIDT, W.B., 1974. An examination of methods of sampling herbage from small-plot cutting trials. Proc. Grassld Soc. sth. Afr. 9: 77-81.
- GRANT, P.M., 1967a. The fertility of sandveld soil under continuous cultivation. 1. The effect of manure and nitrogen fertilizers on the nitrogen status of the soil. Rhod. Zambia & Malawi J. Agric. Res. 5: 71-79.
- GRANT, P.M., 1967b. The fertility of sandveld soil under continuous cultivation 2. The effect of manure and nitrogen fertilizer on the base status of the soil. Rhod. Zambia & Malawi J. Agric. Res. 5: 117-128.
- GRASOVSKY, A., 1938. Erosion and desiccation studies in three continents. Emp. For. J. 17: 203-210.
- GRAVES, J.M., 1969. The genus *Porphyra* on South African coasts. 1. Observations on the autecology of *Porphyra capensis* sensu Isaac (1957), including a description of dwarf plants. JI S. Afr. Bot. 35: 343-362.
- GREATHEAD, S.K., 1961. A study of South African aquatic Hyphomycetes. M.Sc. thesis, Rhodes University. pp. 129.
- GREATREX, F.C., 1951. Preliminary survey of the orchid flora of Southern Rhodesia. Proc. Trans. Rhod. scient. Ass. 43.

- GREEN, G.C., 1970. Wet and dry spells at Nelspruit. *Agrochemophysica* 2: 43-52.
- GREEN, G.C. & TILLEMA, J.E., 1966. Minimum temperature survey in relation to winter vegetable experimentation at Barberton. *S. Afr. J. agric. Sci.* 9: 137-152.
- GRIFFEN, M.H., 1963. Contributions to the diatom flora of South Africa. 1. *Hydrobiologia* 21: 261-265.
- GRIFFITH, A.L., 1961. Les Forêts claires Sèches d'Afrique au Sud du Sahara. *Unasylva* 15:1.
- GRIMME, C., 1910. "Narras" ein wichtiges Eingeborenen - Nahrungsmittel in Deutsch Südwestafrika. *Tropenpflanzer* 14: 297-302.
- GRINDLEY, J.R., 1971. Report on the Symposium on the estuarine environment and biological association. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- GRINDLEY, J.R., 1973. Estuaries of the Garden Route threatened by proposed highway. *Eastern Cape Naturalist* 50: 9-12.
- GRINDLEY, J.R., 1974. Estuaries: an endangered habitat. *Afr. wild Life* 28,1: 23-26.
- GRISEBACH, A., 1866. De Vegetation - Geboete der Erde ubersichtlich zusammengestellt. *Petermanns Mitt.* 12: 45-53.
- GROBBELAAR, J.U., 1971. Continuous cultures as a method for the determination of primary production of algae. *S. Afr. J. Sci.* 67,4: 284-288.
- GROBBELAAR, N., STRAUSS, J.M. & GROENEWALD, E.G., 1971. Non-leguminous seed plants in southern Africa which fix nitrogen symbiotically. *Pl. Soil Special volume*, pp. 325-334.
- GROBBELAAR, W.S., 1960. Controlled veld burning is essential. *Fmg S. Afr.* 36,8: 46-48.
- GROBLER, J.H., 1967. Suur-oplosbare sink in gronde van die Hoeveldstreek. *S. Afr. J. agric. Sci.* 10: 841-842.
- GROBLER, J.H., 1970. Soil conservation. *Fmg S. Afr.* 46,9: 37-39.
- GROBLER, J. H., EDWARDS, P. J. & GERICKE, S. J., 1970. Handleiding om grondgebruiksklassifikasie as basis vir bewaringsboerdery te verduidelik. In *Optimale bodembenuiting in die landbou*, pp. 27-34. Pretoria: Department of Agricultural Technical Services.
- GROBLER, P.J., 1964. Die plantegroei en flora van 'n area op Oudebos in die Kogelbergreservaat, Caledon. M.Sc. thesis, University of Stellenbosch.
- GROBLER, P.J., 1965. Die verspreiding van plante. *J. Wetensk. Ver. Univ. Stellenbosch* 7: 44-45.
- GROBLER, P.J. & MARAIS, J., 1967. Vegetation of the National Bontebok Park, Swellendam. *Koedoe* 10: 132-146.
- GROENEWALD, J.A., 1964. Changes in primary resources in South African agriculture. *Agrekon* 3: 22-29.
- GRONBLAD, R. & CROASDALE, H., 1971. Desmids from Namibia (S.W. Africa). *Acta bot. fenn.* 93: 1-40.
- GROOTENBOER, J., 1973. The influence of seasonal factors on the recognition of surface lithologies from ERTS-imagery of the Western Transvaal. Third earth resources technology satellite-1 symposium. Technical presentations 1,B: 643-656.
- GROSSMAN, D. & CRESWELL, C.F., 1974. The influence of nitrate and ammonia nitrogen on the photosynthetic and photorespiratory activity of selected Highveld grasses exhibiting C4 photosynthesis. *Proc. Grassld Soc. sth. Afr.* 9: 89-94.
- GRUNDLINGH, C.F., 1967. Die beweging van chloried-, nitraat- en fosfaationen in 'n Vrystaatse sandgrond. *S. Afr. J. agric. Sci.* 10: 289-292.
- GRUNOW, J.O., 1959. Rapid rotational grazing system most effective on sour veld. *Fmg S. Afr.* 35,2: 40-41.
- GRUNOW, J.O., 1964. Objective classification of plant communities: a synecological study in the sour-mixed bushveld of the Transvaal. *S. Afr. J. agric. Sci.* 7: 171-172.
- GRUNOW, J.O., 1966. Objectivity in plant community classification. *Proc. Grassld Soc. sth. Afr.* 1: 49-55.
- GRUNOW, J.O., 1967. Objective classification of plant communities: a synecological study in the sourish mixed bushveld of Transvaal. *J. Ecol.* 55: 691-710.
- GRUNOW, J.O., 1968. The developing fields of plant ecology. *Proc. Grassld Soc. sth. Afr.* 3: 33-41.
- GRUNOW, J. O., 1972. Research relating to the management of South African grassland ecosystems. *Proceedings of the Biological research and problems of the environment symposium* 2-10 July 1972, Pretoria, pp. 37-50.
- GRUNOW, J.O., 1973. Research relating to the management of South African grassland ecosystems. *S. Afr. J. Sci.* 69: 54-56.
- GRUNOW, J.O. & COETZEE, J.J., 1974. Game farming in relation to veld management. *Farmer's Weekly*, Durban, 23 Jan, pp. 28-29.
- GRUNOW, J.O., EDWARDS, D. & MORRIS, J.W., 1969. Vegetation ordination and classification: practical implications. *Proc. Grassld Soc. sth. Afr.* 4: 66-69.
- GRUNOW, J.O. & LANCE, G.N., 1966. Objective classification of plant communities: inverse association analysis and normal association analysis of different synusiae. *S. Afr. J. agric. Sci.* 9: 899-905.
- GRUNOW, J.O. & LANCE, G.N., 1968. Nodal analysis in the sour-mixed bushveld of Transvaal. *S. Afr. J. agric. Sci.* 11: 53-63.
- GRUNOW, J.O. & LANCE, G.N., 1969. Classification of savanna by information analysis. *S. Afr. J. Sci.* 65: 341-348.
- GRUNOW, J.O. & MORRIS, J.W., 1969. Preliminary assessment of ecological status of plant species in three South African veld types. *Jl S. Afr. Bot.* 35: 1-12.
- GRUNOW, J.O., PIENAAR, A.J. & BREYTENBACH, C., 1970. Long term nitrogen application to veld in South Africa. *Proc. Grassld Soc. sth. Afr.* 5: 75-90.
- GRUNOW, J.O. & PRELLER, J.H., 1958. A counter-board as an accessory to the botanical wheel apparatus used for botanical analysis. *S. Afr. J. agric. Sci.* 1: 231-234.
- GRUNOW, J.O. & VAN GINKEL, B., 1965. Determination of the bulk utilization of different veld grasses under grazing conditions by means of an individual tuft clipping method. *S. Afr. J. agric. Sci.* 8: 487-506.
- GRUT, M., 1965. Forestry and forest industry in South Africa. Cape Town: Balkema, pp. 115.
- GUBITZ, H., 1969. Kleine botanische visitenkarte von Sudafrika. *Acta phytother.* 26: 1-20.
- GUERREIRO, M.G., 1966. African forests and biotic factors. Preliminary observations on an investigation in Mozambique. Luanda: Instituto de Investigacao Cientifica de Angola. pp. 174.
- GUILLAUMET, J.L. & KOECHLIN, J., 1971. Contribution a la definition des types de vegetation dans les regions tropicales (exemple de Madagascar). *Candollea* 26: 263-277.
- GUILLOTEAU, J., 1955. The problem of arid zones. *Sols afr.* 3,3.
- GUILLOTEAU, J., 1957. The problem of bush fires and burns in land development and soil conservation in Africa south of the Sahara. *Sols afr.* 4,2: 64-102.
- GUTHRIE, F., 1893. On the subjective causes of evolution as illustrated by the geographical distribution of plants. *Trans. S. Afr. phil. Soc.* 5: 275-294.
- GUY, G.L., 1970. *Adansonia digitata* and its rate of growth in relation to rainfall in south central Africa. *Proc Trans. Rhod. scient. Ass.* 54: 68-84.
- GUY, G.L., WISDOM, K.D. & ELKINGTON, B.D., 1965. The bundu book of trees, flowers and grasses. Salisbury: Longmans of Rhodesia. pp. 97.
- HAIGH, H., 1966. Root development in the sandy soils of Zululand. *For. S. Afr.* 7: 31-36.
- HAIGH, H., 1973. Grassing eroded areas in the Drakensberg. *For. S. Afr.* 13: 31-33.
- HAILEY, W.B., 1957. An African survey; a study of problems arising in Africa south of the Sahara. Revised edn. London: Oxford University Press.
- HALL, A.V., 1959. Observations on the distribution and ecology of Orchidaceae in the Muizenberg Mountains, Cape Peninsula. *Jl S. Afr. Bot.* 25: 265-278.
- HALL, A.V., 1961. Distribution studies of introduced trees and shrubs in the Cape Peninsula. *Jl S. Afr. Bot.* 37: 101-112.
- HALL, A.V., 1967. Studies in recently developed group-forming procedures in taxonomy and ecology. *Jl S. Afr. Bot.* 33: 185-196.
- HALL, A.V., 1969. Prospects for using botanical fossils as a guide to quaternary environments in the South-West Cape. *S. Afr. Archeol. Bull.* 95/96: 144-148.
- HALL, A.V., 1970. A computer-based method for showing continua and communities in ecology. *J. Ecol.* 58: 591-602.

- HALL, H., 1948. A koppie on the Little Karoo. *Cactus Succ. J.*, Los Ang. 20: 101-104.
- HALL, H., 1950. Plant collecting in the Kaokoveld. *J. bot. Soc. S. Afr.* 36: 14-18.
- HALL, H., 1962. Namaqualand, a botanical wonderland. *J. bot. Soc. S. Afr.* 48: 17-20.
- HALL, M., 1939. Pasture research and erosion control in South Africa. *Herb. Rev.* 7: 80-85.
- HALL, M., 1940. Nutritive value of South African pasture. *Herb. Rev.* 8: 189-194.
- HALL, T.D., 1931. Intensive grazing on veld. *S. Afr. J. Sci.* 28: 202-204.
- HALL, T.D., 1932. Intensive grazing on veld. 2. *S. Afr. J. Sci.* 29: 389-413.
- HALL, T.D., 1934. South African pastures: retrospective and prospective. *S. Afr. J. Sci.* 31: 59-97.
- HALL, T. D., 1952. The importance of veld and planted pastures to South Africa. In *Veld gold: a South African book of grassland farming*, pp. 5-14. Johannesburg: National Veld Trust.
- HALL, T.D. & ALTONA, R.E., 1952. Phosphate and nitrogen fertilization of native pastures. In *Proceedings of the 6th International Grassland Congress*.
- HALL, T.D. & MEREDITH, D., 1937. Intensive grazing on veld. 4. The effect of rotational grazing and fertilizing on veld over a six-year period. *S. Afr. J. Sci.* 33: 404-430.
- HALL, T.D. & MEREDITH, D., 1945. Residual effects of fertilizers on veld hay. *S. Afr. J. Sci.* 41: 194-203.
- HALL, T.D., MEREDITH, D. & ALTONA, R.E., 1949. Four nitrogenous fertilizers on veld. *S. Afr. J. Sci.* 45: 100-105.
- HALL, T.D., MEREDITH, D. & MURRAY, S.M., 1941. Fertilizing natural veld and its effect on sward, chemical composition, carrying capacity and beef production. *S. Afr. J. Sci.* 37: 111-129.
- HALL, T.D., MEREDITH, D. & MURRAY, S.M., 1948. Dry matter and protein of pastures as affected by amounts and forms of nitrogen applied. *S. Afr. J. Sci.* 44: 111-118.
- HALL, T.D., MEREDITH, D., MURRAY, S.M. & ALTONA, R.E., 1949. The effect of fertilizers on turf grass at the Frankenwald Research Station. In *Better turf through research*. Johannesburg: AECL.
- HALL, T.D. & MOSES, D., 1935. Intensive grazing on veld. 3. The role of intensive management in wool production in the eastern Transvaal. *S. Afr. J. Sci.* 32: 205-222.
- HALL, T.D., MOSES, D. & MURRAY, S.M., 1935. The botanical composition of exotic pastures in South Africa. *S. Afr. J. Sci.* 32: 197-204.
- HALL, T.D. & MURRAY, S.M., 1935. The botanical analysis of intensively grazed pastures. *S. Afr. J. Sci.* 32: 189-196.
- HALL-MARTIN, A.J., 1972. Aspects of the plant ecology of Sengwe National Park, Malawi. M.Sc. thesis, University of Pretoria.
- HALL-MARTIN, A.J., 1974a. A note on the seasonal utilization of different vegetation types by giraffe. *S. Afr. J. Sci.* 70: 122-123.
- HALL-MARTIN, A.J., 1974b. Food selection by Transvaal lowveld giraffe as determined by analysis of stomach contents. *J. sth. Afr. Wildl. Mgmt Ass.* 4: 191-202.
- HALL-MARTIN, A.J., 1975a. Classification and ordination of forest and thicket vegetation of the Sengwe National Park, Malawi. *Kirkia*, 10: 131-181.
- HALL-MARTIN, A.J., 1975b. The influence of man and wildlife on Rift Valley plant communities of Malawi. *Jl S. Afr. biol. Soc.* 16: 20-45.
- HALL-MARTIN, A.J. & FULLER, N.G., 1975. Notes on the phenology of some trees and shrubs of the Sengwe National Park, Malawi. *J. sth. Afr. Wildl. Mgmt Ass.* 5: 83-86.
- HANCOCK, F.D., 1967. A first study on the algal ecology of the Klip River in the gold mining area of Johannesburg. Ph.D. thesis, University of the Witwatersrand.
- HANCOCK, F.D., 1973a. The ecology of the diatoms of the Klip River, southern Transvaal. *Hydrobiologia* 42: 243-284.
- HANCOCK, F.D., 1973b. Algal ecology of a stream polluted through gold mining on the Witwatersrand. *Hydrobiologia* 43: 189-229.
- HANCOCK, F.D. & LUCAS, A., 1973. Ferns of the Witwatersrand. Johannesburg: Witwatersrand University.
- HANSON, H.C., 1938. Ecology of the grassland. *Bot. Rev.* 4: 51-82.
- HANSON, H.C., 1950. Ecology of the grassland. 2. *Bot. Rev.* 16: 283-360.
- HARDAKER, P., 1922. The rate of water loss during the drying of leaves. M.Sc. thesis, University of South Africa.
- HARDWICK, P.A., 1972. The control of environmental pollution - a case study. *Rhod. Sci. News*, 6: 233-236.
- HARGREAVES, D. & HARGREAVES, B., 1972a. African blossoms. Kailua, Hawaii Hargreaves Company. pp. 64.
- HARGREAVES, D. & HARGREAVES, B., 1972b. African trees. Kailua, Hawaii: Hargreaves Company. pp. 65.
- HARMSE, H.J. VON M., 1967. Soil genesis in the Highveld region South Africa. Ph.D. thesis, Ryks University, Utrecht, The Netherlands.
- HARMSE, H.J. VON M. & GROBLER, J.H., 1966. Grondstreke in die Hoefeldstreek. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 55. pp. 38.
- HARPER, G., 1969. Periglacial evidence in southern Africa during the Pleistocene Epoch. In Van Zinderen Bakker, E. M. (ed.), *Palaeoecology of Africa*, pp. 71-101. Cape Town: Balkema.
- HARRISON, A.D., 1955. A preliminary report of a hydrobiological survey of the Great Berg River, western Cape Province. *Proc. int. Ass. theor. appl. Limnol.* 12: 345-350.
- HARRISON, A.D., 1958. The effects of sulphuric acid pollution on the biology of streams in the Transvaal, southern Africa. *Verh. int. Verein. theor. angew. Limnol.* 13: 603-619.
- HARRISON, A.D., 1962. Hydrobiological studies on alkaline and acid still-waters in the western Cape Province. *Trans. R. Soc. S. Afr.* 36: 213-244.
- HARRISON, A.D., 1964. An ecological survey of the great Berg River. In Davis, D.H.S. (ed.), *Ecological studies in Southern Africa*. The Hague: Junk.
- HARRISON, A.D., 1965. Some environmental effects of coal and gold-mining on the aquatic biota. In *Biological problems in water pollution*, Third Seminar, 1962, pp. 270-274. Cincinnati: US Public Health Service Publication 999.
- HARRISON, A.D. & ELSWORTH, J.F., 1958. Hydrobiological studies on the Great Berg River, western Cape Province. Part I. General description, chemical studies and main features of the flora and fauna. *Trans. R. Soc. S. Afr.* 35: 125-226.
- HARRISON, A.D., KELLER, P. & DIMOVIC, D., 1960. Ecological studies on Olifantsvlei, near Johannesburg. *Hydrobiologia* 15: 89-134.
- HARRISON, E.R., 1968. The epiphytic orchids of the St Lucia Reserve. *Lammergeyer* 6: 63-72.
- HARRISON, E.R., 1972. Epiphytic orchids of Southern Africa. Natal Branch of the Wildlife Protection Society of South Africa. pp. 107.
- HARRISON, R.E., 1959. Handbook of trees and shrubs for the Southern Hemisphere. Wellington: Reed. pp. 340.
- HARTIG, R.D., 1939. Die Forstwirtschaft Sudafrikas. *Z. Weltforstw.* 6: 661-748.
- HARTMANN, G., 1897. Das Kaokogebiet in DeutschSudwesafrika auf Grund eigener reisen und Beobachtungen. *Verb. Ges. Erok Berl.* 4: 113-141.
- HARTWIG, E.K., 1965. Die neststelsel van die grasdraertermiet *Hodotermes mossambicus* Hagen (Isoptera) en aspekte rakende bestryding. *S. Afr. Tydskr. Landbouwet.* 8: 643-660.
- HARVEY, P.H., 1971. Some trees of the semidesert. *Trees S. Africa* 23: 42-50.
- HARVEY, W.H., 1838. The genera of South African plants arranged according to the natural system. Cape Town: Robertson. pp. 429.
- HARVEY, W.H., 1863. Thesaurus capensis, or illustrations of the South African flora. Vol. 1 & 2. Dublin: Hodges, Smith & Co. pp. 68.
- HARVEY, W.H., 1868. The genera of South African plants. 2. Cape Town: Juta.
- HARVEY-GIBSON, R.J., 1914. Some aspects of the vegetation of South Africa. *Scott. geogr. Mag.* 30: 225-237.
- HASLAM, S.M., 1971. Shoot height and density in *Phragmites* stands. *Hydrobiologia* 12: 113-119.
- HATTINGH, E.R., 1953. Observations on the ecology of *Stoebe vulgaris* Levyns. *Emp. J. exp. Agric.* 21: 309-313.
- HATTINGH, E.R., 1961. Problem of *Salvinia auriculata* Aubl.

- and associated aquatic weeds on Lake Kariba. *Weed Res.* 1: 303-306.
- HAVENGA, M.C.G., 1970. The role of organic matter in the production ecology of grassveld. M.Sc. (Agric.) thesis, University of Pretoria.
- HAVILAND, P.H., 1927. Preventative measures against soil erosion in Southern Rhodesia. *S. Afr. J. Sci.* 24: 110-116.
- HAWKINS, T.H., 1966. Exotic Acacias in South Africa. *Nature*, Lond. 210: 577.
- HAYLETT, D.G., 1958. Advances in crops and pastures in the Union of South Africa in the last twenty-five years. *Emp. J. exp. Agric.* 26: 169-182.
- HAYLETT, D.G., 1968. Population growth and food resources in South Africa. *S. Afr. J. Sci.* 64: 369-374.
- HEARD, C.R.C., 1938. The water relationships of some Natal grasses with special reference to transpiration rate and response to decreasing available water. M.Sc. thesis, University of South Africa.
- HECTOR, J.M., 1936. Introduction to the botany of field crops. Vol. 1. Cereals. Vol. 2. Non-cereals. Johannesburg: Central News Agency. pp. 478 & 479-1127.
- HECTOR, J.M. & IRVINE, L.F., 1934. Pasture studies. III. A preliminary analysis of the grazing conditions on a Volksrust farm. *S. Afr. J. Sci.* 31: 315-319.
- HECTOR, J.M. & IRVINE, L.F., 1938. A new apparatus for charting vegetation. *S. Afr. J. Sci.* 35: 231-235.
- HEDBERG, I. & HEDBERG, O. (eds), 1968a. Conservation of vegetation in Africa south of the Sahara. Uppsala: Almqvist & Wiksells Boktryckeri A B. pp. 320.
- HEDBERG, I. & HEDBERG, O. (eds), 1968b. Conservation of vegetation in Africa south of the Sahara. *Acta phytogeogr. succ.* 54: 1-320.
- HEDBERG, O., 1949. Features of afro-alpine plant ecology. *Acta phytogeogr. succ.* 49: 5-144.
- HEDBERG, O., 1961. The phytogeographical position of afro-alpine flora. In *Recent advances in botany*. Vol. 1. Toronto: University of Toronto Press.
- HEERING, W. & GRIMME, C., 1911. *Untersuchungen über die weideverhältnisse in Deutsch Südwestafrika*. Berlin: Parey. pp. 143.
- HEIBERG-JURGENSEN, K. & PENNEFATHER, M., 1966. Fertilizing of *Eucalyptus grandis* (*saligna*) on old wattle lands. *S. Afr. For. J.* 57: 11-12.
- HEIDIKE, P., 1920. Die Niederschlagsverhältnisse von Deutsch Südwestafrika. *Mitt. dt. Schutzgeb.* 32: 36-186.
- HEMENS, J. & STANDER, G.J., 1969. Nutrient removal from sewage effluents by algal activity. *Advances in Water Pollution Research*. pp. 701-711.
- HENDERSON, J., 1900. Northern Nyasaland. *Scott. Geogr. Mag.* 16: 82-89.
- HENDERSON, M. & ANDERSON, J.G., 1966. Common weeds in South Africa. *Mem. bot. Surv. S. Afr. No. 37*, pp. 440.
- HENKEL, C.C., 1894. Tree planting for ornamental and economic purposes in the Transkeian territories, South Africa. Pinetown Printing Establishment, Mariannhill. pp. 127.
- HENKEL, C.C., 1903. History, resources and productions of the country between Cape Colony and Natal or Kaffraria proper, now called the Native Transkeian Territories. Hamburg: Actien Gesellschaft. pp. 124.
- HENKEL, J.S., 1913. The indigenous high forest situated in the divisions of George, Knysna and Humansdorp, Cape Province. *S. Afr. J. Sci.* 9: 68-76.
- HENKEL, J.S., 1917. Forest progress in the Drakensberg. *S. Afr. J. Sci.* 13: 179-186.
- HENKEL, J.S., 1920a. Afforestation in Zululand. *Rhodesia agric. J.* 17: 50-52.
- HENKEL, J.S., 1920b. Forestry in Southern Rhodesia. London: HMSO pp. 23.
- HENKEL, J.S., 1928. The relation of vegetation to water supply in Southern Rhodesia. *S. Afr. J. Sci.* 25: 38-51.
- HENKEL, J.S., 1931a. *Acacia giraffae* Burch. A description and fodder value. *Rhodesia agric. J.* 28: 71-73.
- HENKEL, J.S., 1931b. Types of vegetation in Southern Rhodesia. *Proc. Trans. Rhod. scient. Ass.* 30: 1-24.
- HENKEL, J.S., 1933. The relationship of vegetation to soil erosion in the Natal thorn veld. *S. Afr. J. Sci.* 30: 280-287.
- HENKEL, J.S., 1934. A field book of the woody plants of Natal and Zululand. Durban & Pietermaritzburg: Natal University Development Fund Committee.
- HENKEL, J.S., 1935. The woody plants of Natal and Zululand. Pamph. S. Afr. biol. Soc. No. 8, pp. 51-52.
- HENKEL, J.S., 1937. Report on the plant and animal ecology of the Hluhluwe Game Reserve. Pietermaritzburg: Natal Witness.
- HENKEL, J.S., 1944. Waste products in natural vegetation. *Proc. 18th Ann. Cong. S. Afr. Sug. Technol. Ass.* pp. 62-64.
- HENKEL, J.S., BALLENDEN, S. ST C. & BAYER, A.W., 1941. An account of the plant ecology of the Dukuduku Forest Reserve and adjoining areas of the Zululand coast belt. *Ann. Natal. Mus.* 8: 95-126.
- HENKEL, J.S. & BAYER, A.W., 1932. The Wattle Bagworm (*Acanthopsyche junodi* Heyl): an ecological study. *S. Afr. J. Sci.* 29: 355-365.
- HENKEL, J.S., BAYER, A.W. & COUTTS, J.R.H., 1938. Subsurface erosion on a Natal Midlands farm. *S. Afr. J. Sci.* 35: 236-243.
- HENNESSY, E. F., 1972. South African Erythrinas. Durban: Natal Branch of the Wildlife Protection & Conservation Society of South Africa. pp. 45.
- HENNESSY, E.F., 1974. Dune vegetation in Natal. *Veld & Flora* 4: 47-49.
- HENNING, A.C. & WHITE, R.E., 1974. A study of the growth and distribution of *Colophospermum mopane* (Kirk ex Benth.), Kirk ex Leon. the interaction of nitrogen, phosphorus and soil moisture stress. *Proc. Grassld Soc. sth. Afr.* 9: 53-59.
- HENRICI, M., 1926a. Growth of veld plants under arid conditions of Bechuanaland. *S. Afr. J. Sci.* 23: 325-339.
- HENRICI, M., 1926b. The chlorophyll content of grasses in Bechuanaland. *Rep. vet. Res. Un. S. Afr. No. 11-12*, pp. 259-271.
- HENRICI, M., 1926c. Preliminary report upon the occurrence of hydrocyanic acid in the grasses of Bechuanaland. *Rep. vet. Res. Un. S. Afr. No. 11-12*, pp. 495-498.
- HENRICI, M., 1926d. Physiological plant studies in South Africa. Part 2. Transpiration of grasses and other plants under arid conditions. *Rep. vet. Res. Un. S. Afr. No. 11-12*, pp. 671-702.
- HENRICI, M., 1926e. Physiological plant studies in South Africa. Part 1. Wilting and osmotic phenomena of grasses and other plants under arid conditions. *Rep. vet. Res. Un. S. Afr. No. 11-12*, pp. 619-668.
- HENRICI, M., 1928a. The phosphorus content of the grasses in Bechuanaland in the course of their development. *Rep. vet. Res. Un. S. Afr. No. 13-14*, pp. 1077-1028.
- HENRICI, M., 1928b. The relation between the amount of carbohydrates in the leaves of Armoedsvlakte grasses and the meteorological factors. *Rep. vet. Res. Un. S. Afr. No. 13-14*, pp. 1041-1074.
- HENRICI, M., 1929. The structure of the cortex of grass roots in the more arid regions of South Africa. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 85*, pp. 12.
- HENRICI, M., 1930a. Mineral and feeding stuff analyses of grasses of the eastern Transvaal highveld. *Rep. vet. Res. Un. S. Afr. No. 16*, pp. 421-434.
- HENRICI, M., 1930b. The phosphorus content of grasses in the eastern Transvaal. *Rep. vet. Res. Un. S. Afr. No. 16*, pp. 435-499.
- HENRICI, M., 1931. Grass or bush in the Karroid area. *S. Afr. J. Sci.* 28: 266.
- HENRICI, M., 1932a. Cystine and sulphur content of bushes and grasses in a Karroid area (Fauresmith). *Rep. vet. Res. Un. S. Afr. No. 18*, pp. 479-595.
- HENRICI, M., 1932b. An investigation of the content of phosphorus, calcium and protein of grasses in coastal regions of Natal and southern Zululand. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 115*, pp. 30.
- HENRICI, M., 1932c. Namaqualand's sheep pastures. *Fmg S. Afr.* 7: 5-8 & 33.
- HENRICI, M., 1933. Propagation of Karoo bushes. *Fmg S. Afr.* 8: 435-436.
- HENRICI, M., 1935. Germination of Karoo bush seeds. Part I. *S. Afr. J. Sci.* 32: 223-234.
- HENRICI, M., 1937. Transpiration and water supply of South African plants. *S. Afr. J. Sci.* 34: 61-72.
- HENRICI, M., 1938. Some physiological aspects of the genus *Tribulus*. *Onderstepoort J. vet. Sci. Anim. Ind.* 10: 367-392.

- HENRICI, M., 1939. Germination of Karoo bush seeds. Part 2. S. Afr. J. Sci. 36: 212-219.
- HENRICI, M., 1940a. Fodder plants of the Broken Veld. Part 2. Sci. Bull. Dep. Agric. Un. S. Afr. No. 213, pp. 42.
- HENRICI, M., 1940b. The transpiration of different plant associations in South Africa. Part 1. Transpiration of Karoo bushes. Sci. Bull. Dep. Agric. Un. S. Afr. No. 185, pp. 70.
- HENRICI, M., 1941. Transpiration of large Karoo bushes. S. Afr. J. Sci. 37: 156-163.
- HENRICI, M., 1943a. On the possibility of using sodium selenite for seed testing of Karoo bushes. S. Afr. J. Sci. 39: 152-154.
- HENRICI, M., 1943b. Transpiration of grasses in the sour mountain grassveld of the Drakensberg in comparison with the water loss of indigenous forests. S. Afr. J. Sci. 39: 155-163.
- HENRICI, M., 1943c. Data on the sugar and starch content of some fodder plants under different physiological conditions. S. Afr. J. Sci. 40: 157-161.
- HENRICI, M., 1945a. The effect of wilting on the direct assimilates of lucerne and other fodder plants. S. Afr. J. Sci. 41: 204-212.
- HENRICI, M., 1945b. Digestion experiments with fresh Karoo plants. S. Afr. J. Sci. 41: 213-217.
- HENRICI, M., 1946a. Transpiration of different plant associations in South Africa. Part 4. Parkland, forest and sour mountain grassveld: large Karoo bushes. Sci. Bull. Un. S. Afr. Dep. Agric. No. 224, pp. 35.
- HENRICI, M., 1946b. Transpiration of South African plant associations. Part 3. Indigenous and exotic trees in the Drakensberg area. Sci. Bull. Dep. Agric. Un. S. Afr. No. 247, pp. 85.
- HENRICI, M., 1946c. Transpiration of South African plant associations Part 2. Indigenous and exotic trees under semi-arid conditions. Sci. Bull. Dep. Agric. Un. S. Afr. No. 248, pp. 41.
- HENRICI, M., 1947a. *Tribulus terrestris*, content of assimilates, glucoside and nitrates under different edaphic conditions. S. Afr. J. Sci. 43: 195-202.
- HENRICI, M., 1947b. The use and misuse of shrubs and trees as fodder. Jt. Publs Commonw. agric. Bur. 10: 57-93.
- HENRICI, M., 1948a. Effect of grazing and cutting on *Pentzia incana* during drought. S. Afr. J. Sci. 44: 120-121.
- HENRICI, M., 1948b. *Euphorbia* in south-west Free State. Afr. wild Life 2: 77-80.
- HENRICI, M., 1948c. Transpiration studies. S. Afr. Sci. 2: 36-38.
- HENRICI, M., 1949. The carbohydrate content of lucerne under different meteorological and physiological conditions. Onderstepoort J. vet. Sci. Anim. Ind. 22: 273-413.
- HENRICI, M., 1950. Nitrate accumulation in *Tribulus terrestris*. S. Afr. J. Sci. 46: 197.
- HENRICI, M., 1951a. The effect of cutting and grazing on *Pentzia incana* under different systems of veld management. Sci. Bull. Dep. Agric. Un. S. Afr. No. 292, pp. 31.
- HENRICI, M., 1951b. The seasonal changes of soluble nitrogen, particularly nitrate in *Tribulus terrestris* on limestone formation. S. Afr. J. Sci. 47: 212.
- HENRICI, M., 1952a. Comparative study of the content of starch and sugars of *Tribulus terrestris*, lucerne, some Gramineae and *Pentzia incana* under different meteorological, edaphic and physiological conditions. Onderstepoort J. vet. Res. 25: 45-92.
- HENRICI, M., 1952b. Some micro-elements in Karoo plants. S. Afr. J. Sci. 49: 331.
- HENRICI, M., 1952c. The water soluble nitrogen of *Tribulus terrestris*. S. Afr. J. Sci. 48: 243.
- HENRICI, M., 1953a. Further nutrition studies on *Tribulus terrestris*. Sci. Bull. Dep. Agric. Un. S. Afr. No. 348, pp. 73.
- HENRICI, M., 1953b. Influence of molybdenum and manganese on the redcase of Karoo plants. S. Afr. J. Sci. 50: 303.
- HENRICI, M., 1955. Temperatures of Karoo plants. S. Afr. J. Sci. 51: 245-248.
- HENRICI, M., 1958. Temperatures of Karoo plants. S. Afr. J. Sci. 54: 119-122.
- HENRICI, M., & POTTER, P.E., 1934. An investigation of pastures in the Eastern Province and in the Albany district. Sci. Bull. Dep. Agric. Un. S. Afr. No. 134, pp. 36.
- HENRIQUES, J.C., 1954. A erosao profunda em sanza-Pombo. Agronomia Angol. 9: 121-156.
- HENSEL, R.L., 1923. Recent studies on the effect of burning on grassland vegetation. Ecology 4: 183-188.
- HENSER, H., 1966. Draft report on soil analysis results, Kasempa region and Copperbelt region. Rome: FAO.
- HENSLEY, M., 1969. Selected properties affecting the irrigation values of some Makatini soils. M.Sc. thesis, University of Natal.
- HENSLEY, M., 1970. Brak, a threat to our irrigation schemes. S. Afr. J. Sci. 66: 180-181.
- HENSLOW, G., 1903. South African flowering plants. London: Longmans.
- HEPBURN, I.P., 1919. Ecological notes on the mountainous portions of the Herschel district. S. Afr. J. nat. Hist. 1: 210-223.
- HERBST, E.E., 1974. The distribution and ecology of *Retzia capensis* Thunb. Tydskrif Natuurwet. 14.2: 32-59.
- HERBST, M.J.H., 1972. 'n Ekologiese ondersoek van die plantgemeenskappe tussen die Krokodil en Matlabasrivier, met spesiale aandag aan die invloed van edafiese faktore op die verspreiding van houtagtige spesies. M.Sc. thesis, Potchefstroom University for CHE.
- HERBST, S.N., 1971. 'n Ekologiese plantopname van 'n gedeelte van die Oxbowopvangebied, Lesotho. M.Sc. (Agric.) thesis, University of the Orange Free State.
- HERBST, S.N. & ROBERTS, B.R., 1974a. Quantitative ecological relationships in the alpine grassland of Lesotho. Proc. Grassld Soc. sth. Afr. 9: 61-66.
- HERBST, S.N. & ROBERTS, B.R., 1974b. The alpine vegetation of the Lesotho Drakensberg: a study in quantitative floristics at Oxbow. J. S. Afr. Bot. 40: 257-267.
- HERMANN, F., 1932. Die wasserwirtschaftlichen Grundlagen der Subtropen mit besonderer icksichtigung Sudwestafrikas. Tropenpflanzer 35: 180-211 & 225-251.
- HERRE, H., 1932. Eine zweite sammelreise nach Namaqualand. Mschr. dt. Kaktges. 4: 47-51, 91-97, 113-116 & 139-141.
- HERRE, H., 1939. Vetplante van die Boesmanland wat in kalkgrond groei. Cactussen Vetpl. 5: 130-134.
- HERRE, H., 1965. Eine pflanzen-sammelreise nach Namaqualand. Palmengarten 29 (12 papers).
- HERRE, H. & FRIEDRICH, H.C., 1959. Die geographische verbreitung der Ficoidaceae - Mesembryanthemoideae in Sudafrika. 1. Apteniece. Mitt. bot. StSamml., Münch.
- HERRE, H. & FRIEDRICH, H.C., 1961. Die geographische verbreitung der Ficoidaceae - Mesembryanthemoideae in Südafrika. 2. Ruschieae-Delosperminae. Mitt. bot. StSamml., Münch.
- HEWITT, F.E., 1955. Studies of *Hypnea spicifera*. M.Sc. thesis, Rhodes University, pp. 96.
- HEWITT, J., 1910. Notes on the flora and fauna of Sarawak, (considered more especially in comparison with that of South Africa). S. Afr. J. Sci. 6: 203-212.
- HEWITT, P.H. & NEL, J.J.C., 1969. Toxicity and repellency of *Chrysocoma tenuifolia* Berg (Compositae) to the harvester termite *Hodotermes mossambicus* Hagen (Hodotermitidae). J. ent. Soc. sth. Afr. 32: 133-135.
- HEYDORN, A.E.F., 1970. The mounting threat to our estuaries. Afr. wild Life 24: 193-200.
- HEYDORN, A. E. F., 1972a. The interdependence of marine and estuarine ecosystems in relation to the utilization and conservation of the living resources of the sea. In Biological research & problems of the environment symposium, 2-10 July 1972, Johannesburg, pp. 1-35.
- HEYDORN, A.E.F., 1972b. South African estuaries - an economic asset or a natural resource being squandered? Scientiae 13.5: 2-6.
- HEYDORN, A.E.F., 1972c. South African estuaries. Their function and the threat to their existence. Findiver 32: 18-19.
- HEYDORN, A.E.F., 1973a. Aquaculture: a substitute for management of living marine resources? J. sth. Afr. Wildl. Mgmt Ass. 3: 109-114.
- HEYDORN, A.E.F., 1973b. The interdependence of marine and estuarine ecosystems in South Africa. S. Afr. J. Sci. 69: 18-24.
- HEYDORN, A.E.F., 1973c. South Africa - our environment today. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.

- HEYDORN, A.F.P.J., 1975. Plant succession on the sea dunes of Betty's Bay. *Veld & Flora* 6: 26-29.
- HEYNS, A.J., 1957. Flora fenologie en regenerasie van 'n inheemse woudgemeenskap naby Stellenbosch. *Jl S. Afr. Bot.* 23: 111-120.
- HIEMSTRA, S.A. & VERWOERD, W.J., 1959. Aerial photography by means of miniature cameras for geological mapping. *Trans. geol. Soc. S. Afr.* 62.
- HIERN, W.P., 1877. On the peculiarities and distribution of Rubiaceae in tropical Africa. *J. Linn. Soc., (Bot.)* 16: 248-280.
- HIERN, W.P., 1900. Catalogue of the African plants collected by Dr Friedrich Welwitsch in 1853-1861. Dicotyledons. Parts 1-4. London: Longmans. pp. 1032.
- HIGGINS, V., 1947. Basutoland plants. *Q. Bull. alp. gdn Soc.* 15: 161-168.
- HILDYARD, P., 1955. Preliminary report on a comparison of three grasses used as leys with special reference to production and soil structure. M.Sc. (Agric.) thesis, University of Natal.
- HILDYARD, P., 1960. Even utilization of sourveld. *Fmg S. Afr.* 36: 33-34.
- HILDYARD, P., 1968. A study of shoot growth and development in *Senecio retrorsus* DC. Ph.D. thesis, University of Natal.
- HILDYARD, P., 1971. Water and the veld situation in South Africa. *Proc. Grassld Soc. sth. Afr.* 6: 16-19.
- HILL, B.J., 1966. A contribution to the ecology of the Umlazi estuary. *Zool. Afr.* 2: 1-24.
- HILL, B.J., 1969. The bathymetry and possible origin of Lakes Sibayi, Nhlangwe and Situngwe in Zululand, Natal. *Trans. R. Soc. S. Afr.* 38: 205-216.
- HILL, B.J., BLABER, S.J.M. & BOLT, R.E., 1975. The limnology of Lagoa Poebela. *Trans. R. Soc. S. Afr.* 41: 263-271.
- HILL, J.N.S., 1965a. Determination of total available moisture in soils. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.* pp. 184-142.
- HILL, J.N.S., 1965b. Moisture characteristics of some Natal sugarbelt soils. *S. Afr. J. agric. Sci.* 8: 767-774.
- HILL, J.R.C., 1972. The mine dump problem in Rhodesia. *Rhodesia agric. J.* 69: 65-73.
- HILL, J.R.C. & NOTHARD, W.F., 1973. The Rhodesian approach to vegetating slimes dams. *J. S. Afr. Inst. Min. Metall.* 74: 197-208.
- HILLARY, O.M., 1947. The plant ecology of the coast dunes at Tongaat Beach, Natal, South Africa. M.Sc. thesis, University of South Africa. pp. 94.
- HINDSON, L.L. & WURZEL, P., 1963. Ground water in the Sabi Valley alluvial plain. *Rhod. J. agric. Res.* 1: 99-106.
- HIRST, S.M., 1965. Timbavati private nature reserve. *Afr. wild Life* 19: 229-235.
- HIRST, S. M., 1975a. Savanna ecosystem project - Progress Report 1974/75. South African National Scientific Programmes Report 3, National Scientific Programmes Unit, CSIR, Pretoria, pp. 27.
- HIRST, S.M., 1975b. Ungulate-habitat relationships in a South African woodland/Savanna ecosystem. *Wildl. Monogr.* 44: 1-60.
- HITCHCOCK, A.S., 1929. The relation of grasses to man. *S. Afr. J. Sci.* 26: 133-138.
- HITCHINS, P.M., 1968. Records of plants eaten by mammals in the Hluhluwe Game Reserve. *Lammergeyer* 83: 31-39.
- HITCHINS, P.M., 1969. The influence of vegetation types on sizes of home range of black rhinoceroses in Hluhluwe Game Reserve, Zululand. *Lammergeyer* 10: 81-85.
- HOBSON, N.K., JESSOP, J.P. & GINN, M.C. VAN DER R., 1970. Karoo plant wealth. Pearson: Pearson Publications.
- HOBSON, N.K., JESSOP, J.P., GINN, M.C. VAN DER R. & KELLY, J., 1975. Veld plants of southern Africa. Johannesburg: MacMillan.
- HOBSON, S., 1896a. Deterioration of the veld. *Agric. J. Cape G. H.* 9: 491-492.
- HOBSON, S., 1896b. The mimosa. *Agric. J. Cape G. H.* 9: 628.
- HOCHSTETTER, C.F., 1845. Pflanzen des Cap-und Natal-landes. *Flora* 28: 337-344 & 753-764.
- HOCHSTETTER, C.F., 1846. Pflanzen des Cap-und Natal-landes. *Flora* 29: 113-131, 129-138 & 209-219.
- HODGE, W.H., 1953. The drug aloes of commerce, with special reference to the Cape species. *Econ. Bot.* 7: 99-129.
- HODGETTS, W.J., 1926. Contributions to our knowledge of the freshwater algae of Africa. 6. Some freshwater algae from Stellenbosch, Cape of Good Hope. *Trans. R. Soc. S. Afr.* 13: 49-103.
- HOFMEYER, J., 1921. A note on the germination of the seed of *Elephantorrhiza burchellii*. *S. Afr. J. nat. Hist.* 3: 215-216.
- HOLLOWAY, Y., 1966. St Lucia - hoe lank nog "wild". *Huisgenoot* 42, 2302: 70-73.
- HOLM, L.G., WELDON, L.W. & BLACKBURN, R.D., 1969. Aquatic weeds. *Science* 166: 699-709.
- HOOD, R.J., 1967. A guide to the grasses of Zambia. Lusaka: Government Printer. pp. 67.
- HOOKER, J.D., 1873. On *Melanthus trimenianus* H. f. and the affinities of *Greyia sutherlandii*. *J. Bot., Lond.* 11: 353-358.
- HOPKINS, B., 1965. Forest and savanna. London: Heinemann.
- HOPKINS, J.C.F., 1940. Common veld flowers. Look around you series. No. 1. Salisbury: Rhodesian Scientific Association.
- HOPKINS, J.C.F., 1951. Botanical science in Southern Rhodesia. *S. Afr. J. Sci.* 47: 179-180.
- HORNBY, H.E., 1968. Overstocking: a modern approach to the problem. *Rhodesia agric. J.* 65: 67-74.
- HOWARD-WILLIAMS, C., 1970. The ecology of *Becium homblei* in central Africa with special reference to metalliferous soils. *J. Ecol.* 58: 745-763.
- HOWARD-WILLIAMS, C., 1971a. Environmental factors controlling the growth of plants on heavy metal soils. *Kirkia* 8: 91-102.
- HOWARD-WILLIAMS, C., 1971b. An ecological sampling method for swamp and marsh vegetation types. *News Lett. Limnol. Soc. sth. Afr.* 17: 27-30.
- HOWARD-WILLIAMS, C., 1971c. The distribution of nutrients in a shallow African lake. (L. Chilwa, Malawi). *News Lett. Limnol. Soc. sth. Afr.* 17: 30.
- HOWARD-WILLIAMS, C., 1971d. Morphological variation between isolated populations of *Becium homblei* (De Wild.) DuRoi. & Plancke growing on heavy metal soils. *Vegetatio* 23: 141-151.
- HOWARD-WILLIAMS, C., 1972a. Factors influencing copper tolerance in *Becium homblei*. *Nature, Lond.* 237: 171.
- HOWARD-WILLIAMS, C., 1972b. Limnological studies in an African swamp: seasonal and spatial changes in the swamps of Lake Chilwa, Malawi. *Arch. Hydrobiol.* 70: 379-391.
- HOWARD-WILLIAMS, C., 1973. Vegetation and environment in the marginal areas of a tropical African lake (L. Chilwa, Malawi). Ph.D. thesis, University of London.
- HOWARD-WILLIAMS, C., 1975a. Seasonal and spatial changes in the composition of aquatic and semi-aquatic vegetation of Lake Chilwa, Malawi. *Vegetatio* 30: 33-39.
- HOWARD-WILLIAMS, C., 1975b. Vegetation changes in a shallow African lake: response of the vegetation to a decent dry period. *Hydrobiologia* 47: 381-397.
- HOWARD-WILLIAMS, C. & LENTON, G.M., 1975. The role of the littoral zone in the functioning of a shallow tropical lake ecosystem. *Freshwater Biol.* 5: 445-449.
- HOWARD-WILLIAMS, C. & WALKER, B.H., 1974. The vegetation of a tropical African lake: classification and ordination of the vegetation of Lake Chilwa (Malawi). *J. Ecol.* 62: 831-854.
- HOWARD-WILLIAMS, W., HOWARD-WILLIAMS, C. & LONGMAN, T., 1975. Preliminary ecological survey of the Lower Swartvlei estuary with special reference to the area spanned by a road bridge. Institute for Freshwater Studies, Rhodes University, Grahamstown. pp. 11.
- HOWE, G.M., 1953. Climates of Rhodesia and Nyasaland according to the Thornthwaite classification. *Geogr. Rev.* 43: 525-539.
- HOWELL, D., 1962. Fire. To control pirate bushes and paralytic ticks. *Farmer's Weekly, Bloemfontein*, 31 Jan. pp. 41-43.
- HOWELL, D., 1963. The new look in veld management. *Farmer's Weekly, Bloemfontein*, 14th Feb. pp. 18-20.
- HOWELL, F.C. & BOULIERE, F., 1964. African ecology and human evolution. London: Methuen. pp. 666.
- HOWELL, S.G., 1973. The ecological challenge of estuaries. *Environ. & Change* 2: 179-186.
- HOWES, F.N., 1922. A new calcium chloride method of measuring the resistance of leaves to water loss. M.Sc. thesis, University of South Africa.
- HOWES, F.N., 1934. Development and distribution of the

- Rutaceae with special reference to the family in Africa. D.Sc. thesis, University of South Africa. pp. 153.
- HUBBARD, C.S., 1926. A review of the species of *Populus* introduced into South Africa. S. Afr. J. Sci. 23: 340-365.
- HUBBARD, C.S., 1937. Observations on the distribution and rate of growth of Clanwilliam Cedar, *Widdringtonia juniperoides* Endl. S. Afr. J. Sci. 33: 572-586.
- HUDSON, N.W., 1963. Gulley control in mopane soils. Rhodesia agric. J. 60: 22-31.
- HULME, M.M., 1954. Wild flowers of Natal. Pietermaritzburg: Shuter & Shooter.
- HUMPHREY, W.H., 1927. The changed conditions of Namaqualand. Trans. R. Soc. S. Afr. 14: 219-224.
- HUNTER, J.G., 1954. Nickel toxicity in a Southern Rhodesian soil. S. Afr. J. Sci. 51: 133-135.
- HUNTLEY, B.J., 1965. A preliminary account of the Ngoye Forest Reserve, Zululand. J. S. Afr. Bot. 31: 177-205.
- HUNTLEY, B.J., 1968a. A floristic and ecological account of the vegetation of Marion and Prince Edward Islands, South Indian Ocean. M.Sc. thesis, University of Pretoria.
- HUNTLEY, B.J., 1968b. This is the last wilderness. Afr. wild Life 22: 95-103.
- HUNTLEY, B.J., 1970. Altitudinal distribution and phenology of Marion Island vascular plants. Tydskr. Natuurwet. 10, 4.
- HUNTLEY, B.J., 1971. Climate. In Dyer, R.A., Winterbottom, J.M. & Van Zinderen Bakker, E.M. (eds), Marion and Prince Edward Islands. Cape Town: Balkema.
- HUNTLEY, B.J., 1972. Aspects of grassland production and utilization on a northern Transvaal nature reserve. J. sth. Afr. Wildl. Mgmt Ass. 2,2: 24-28.
- HUNTLEY, B.J., 1973. An Eden called Iona. Afr. wild Life 26: 136-145.
- HURSH, C.R., 1963. Composition of the tropical dry forests of Nyasaland. CSA/CCTA Publs No. 52, pp. 49-53.
- HUTCHINS, D.E., 1889. Cycles of drought and good seasons in South Africa. Wynberg: Times. pp. 136.
- HUTCHINS, D.E., 1892. The forests of Natal. Indian Forester 18: 205-214 & 245-253.
- HUTCHINS, D.E., 1894. Forestry and silviculture. Indian Forester 20: 368-380.
- HUTCHINS, D.E., 1898. National forests. Agric. J. Cape G.H. 13: 528-541.
- HUTCHINS, D.E., 1900. Cape national forests. Trans. S. Afr. phil. Soc. 11 53-66.
- HUTCHINS, D.E., 1903a. Some aspects of South African forestry. Rep. S. Afr. Ass. Advmt Sci. 1: 354-361.
- HUTCHINS, D.E., 1903b. Transvaal forest report. Pretoria: Government Printer. pp. 136.
- HUTCHINS, D.E., 1904. Indigenous timbers of the Cape. Agric. J. Cape G.H. 24: 224-226.
- HUTCHINS, D.E., 1905. The indigenous forests of South Africa. Rep. Br. & S. Afr. Ass. Advmt Sci. 1:319-334.
- HUTCHISON, G.E., PICKFORD, G.L. & SCHURMAN, J.F.M., 1933. A contribution to the hydrobiology of pans and other inland waters of South Africa. Arch. Hydrobiol. 24: 1-136.
- HUTCHISON, I.P.G., 1972. Research work in Mkuze Swamps. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- HUTCHISON, I.P.G. & MIDGLEY, D.C., 1973. A mathematical model to aid management of outflow from the Okavango Swamp, Botswana. J. Hydrol. 19,2: 93-112.
- HUTCHINSON, J., 1946. A botanist in southern Africa. London: Gawthorn. pp. 686.
- I'ONS, J.H., 1960. Studies on veld burning. M.Sc. (Agric.) thesis, University of Natal.
- I'ONS, J.H., 1967. The effects of fertilisers on subtropical *Hyparrhenia* veld in Swaziland. Expl. Agric. 3: 143-151.
- IMMELMAN, D.W., 1967. Bewaringsboerdery-toestande in die Bo-Oranje opvangsgebied. D.Sc. (Agric.) thesis, University of Pretoria.
- IMMELMAN, W.F.E., WICHT, C.L. & ACKERMAN, D.P. (eds), 1973. Our green heritage. Cape Town: Tafelberg. pp. 340.
- INGRAM, P., 1960. A preliminary account of the ecology of the vegetation of the southern Matopos. Rhodesia agric. J. 57: 312-330.
- INNES, R., 1939. Some observations on the nature and cause of secondary succession on certain areas at Frankenwald and in the Highveld of the Transvaal. M.Sc. thesis, University of the Witwatersrand.
- IRMSCHER, E., 1922. Pflanzenverbreitung und entwicklung der kontinente. Mitt. Inst. allg. Bot., Hamb. 5: 17-235.
- IRMSCHER, E., 1929. Pflanzenverbreitung und entwicklung der kontinente. Mitt. Inst. allg. Bot., Hamb. 8: 169-374.
- IRVINE, L.O.F., 1937a. The correlation of plant community with soil type. M.Sc. thesis, University of South Africa.
- IRVINE, L.O.F., 1937b. The ecology of the northern Transvaal in relation to agriculture. S. Afr. J. Sci. 33: 639-642.
- IRVINE, L.O.F., 1941. The major veld types of the northern Transvaal and their grazing management. D.Sc. thesis, University of Pretoria. pp. 371.
- IRVINE, L.O.F., 1943. Bush encroachment in the northern Transvaal. Fmg. S. Afr. 18: 725-729.
- ISAAC, W.E., 1935. The organic matter content and carbon-nitrogen ratio of South African soils of the winter rainfall area. Trans. R. Soc. S. Afr. 23: 205-230.
- ISAAC, W.E., 1937a. South African coastal waters in relation to ocean currents. Geogr. Rev. 27: 651-664.
- ISAAC, W.E., 1937b. Studies of South African vegetation. 1. West coast from Lamberts Bay to the Cape of Good Hope. Trans. R. Soc. S. Afr. 25: 115-151.
- ISAAC, W.E., 1938. The geographical distribution of seaweed vegetation in relation to temperature and other factors with special reference to South Africa. Int. geogr. Congr. 2,7: 12.
- ISAAC, W.E., 1949. Studies of South African seaweed vegetation. 2. South coast: Rooi Els to Gansbaai with special reference to Gansbaai. Trans. R. Soc. S. Afr. 32: 125-160.
- ISAAC, W.E., 1951. Observations on the ecology of *Bifurcaria brassicaeformis* (Kütz.) Barton. J. Ecol. 39: 94-105.
- ISAAC, W.E., 1953. South African seaweed vegetation and further investigations in this field. J. S. Afr. Bot. 19: 59-71.
- ISAAC, W.E., 1956a. The ecology of *Gracilaria confervoides* (L.) Grev. in South Africa with special reference to its ecology. Int. Seaweed Symp. pp. 173-185.
- ISAAC, W.E., 1956b. Marine algae of Inhaca Island and of the Inhaca Peninsula. J. S. Afr. Bot. 22: 161-193.
- ISAAC, W.E., 1957. Some marine algae from XaiXai. J. S. Afr. Bot. 23: 75-102.
- ISAAC, W.E., 1959. Comments on the seaweed flora and vegetation of Inhaca. S. Afr. J. Sci. 55: 181-183.
- ISAAC, W.E., 1973. Seaweeds and related plants. In Standard encyclopedia of southern Africa, pp. 561-565. Cape Town: Nasou.
- ISAAC, W.E. & CHAMBERLAIN, Y.M., 1958. Marine algae of the Inhaca Island and of the Inhaca Peninsula. 2. J. S. Afr. Bot. 24: 123-155.
- ISAAC, W.E. & GERSHILL, B., 1935. The organic matter and carbon-nitrogen ratio of some semi-arid soils of the Cape Province. Trans. R. Soc. S. Afr. 23: 245-254.
- ISAAC, W.E. & HEWITT, F., 1953. The morphology, geographical distribution and ecology of *Hypnea spicifera* (Suhr.) Harv. J. S. Afr. Bot. 19: 73-84.
- IVENS, G.W., 1965. The control of brush by herbicides in tropical and subtropical grassland. Part 2. Africa. Herb. Abstr. 35: 6-12.
- JAABACK, G. & MUZZEL, P., 1971. The establishment of vegetation in civil engineering work. Proc. Grassld Soc. sth. Afr. 6: 181-184.
- JACKS, G.V. & WHYTE, R.O., 1938. Erosion and soil conservation. Bull. Commonw. Bur. Past. Fld Crops 25, pp. 206.
- JACKS, G.V. & WHYTE, R.O., 1939. The rape of the earth: a world survey of soil erosion. London: Faber & Faber. pp. 313.
- JACKSON, G., 1954. Preliminary ecological survey of Nyasaland. In Proceedings of the 2nd Inter-African Soils Conference, 9-14 Aug. 1954, pp. 679-690. Leopoldville.
- JACKSON, G., 1968. The vegetation of Malawi. 2. The *Brachystegia* woodlands. 10. The *Brachystegia* with evergreen understorey. Soc. Malawi J. 21: 11-19.
- JACKSON, G., 1969. The grasslands of Malawi. Soc. Malawi J. 22: 7-17, 18-25 & 73-81.
- JACKSON, G., 1974. Cryptogean germination and other seedling adaptations to the burning of vegetation in savanna region: the origin of the pyrophytic habit. New Phytol. 73: 771-789.

- JACKSON, G. & WIEHE, P.O., 1958. An annotated checklist of Nyasaland grasses, indigenous and cultivated. Zomba: Government Printer. pp. 75.
- JACKSON, J.R., 1912. Notes on the economic flora of Gazaland. *Gidrn's Chron.* 51: 283-284, 296-297, 321-322 & 332-333.
- JACKSON, S.P., 1947. Air masses and the circulation over the plateau and coasts of South Africa. *S. Afr. geogr. J.* 29: 1-15.
- JACKSON, S.P., 1951. Climates of southern Africa. *S. Afr. geogr. J.* 33: 17-37.
- JACKSON, S.P. (ed.), 1961. Climatological atlas of Africa. Lagos: CCTA/CSA.
- JACKSON, S.P. & TYSON, P.D., 1971a. Climate and weather. In *Standard encyclopedia of southern Africa* 3: 258-269. Cape Town: Nasou.
- JACKSON, S.P. & TYSON, P.D., 1971b. Aspects of weather and climate over southern Africa. *Occasional Paper* 6, Environmental Studies, University of the Witwatersrand.
- JACOBSEN, W.B.G., 1967. The influence of the copper content of the soil on trees and shrubs of Molly South Hill, Mangula. *Kirkia* 6: 63-84.
- JACOBSON, W.B.G., 1968. The influence of the copper content of the soil on the vegetation at Silverside North, Mangula area. *Kirkia* 6: 259-277.
- JACOBSEN, W.B.G., 1970. Further notes on the vegetation of copper bearing soils at Silverside. *Kirkia* 7: 285-290.
- JACOBSEN, W.B.G., 1973. A checklist and discussion of the flora of a portion of the Lomagundi District, Rhodesia. *Kirkia* 9: 139-207.
- JACOT GUILLARMOD, A., 1958. Temperature variations in male cones of *Encephalartos*. *Nature*, Lond. 182: 474.
- JACOT GUILLARMOD, A., 1959a. The flora of Basutoland. 1. Ecological introduction. *Basutoland Notes and Records* 1: 1-10.
- JACOT GUILLARMOD, A., 1959b. Variations of temperature in male cones of *Encephalartos altensteinii* Lehm. *Jl S. Afr. Bot.* 25: 93-99.
- JACOT GUILLARMOD, A., 1960. The flora of Basutoland. 2. The flora of Dolomite dykes and sills. *Basutoland Notes and Records* 2: 5-10.
- JACOT GUILLARMOD, A., 1961a. Common wild flowers of Basutoland. In *Year Book*, pp. 98-100. Maseru: British Red Cross Society Basutoland Branch.
- JACOT GUILLARMOD, A., 1961b. The botany of Basutoland. *Jl Bot. Soc. S. Afr.* 47: 12-14.
- JACOT GUILLARMOD, A., 1962. The bogs and sponges of the Basutoland mountains. *S. Afr. J. Sci.* 58: 179-182.
- JACOT GUILLARMOD, A., 1963. Further observations on the bogs of the Basutoland mountains. *S. Afr. J. Sci.* 59: 115-118.
- JACOT GUILLARMOD, A., 1964a. Interesting and rare plants in Basutoland. *Afr. wild Life* 18: 283-291.
- JACOT GUILLARMOD, A., 1964b. The flora of Basutoland. 3. Water plants and waterside plants. *Basutoland Notes and Records* 3: 7-15.
- JACOT GUILLARMOD, A., 1966. A contribution towards the economic botany of Basutoland. *Bot Notiser* 119: 209-212.
- JACOT GUILLARMOD, A., 1967a. From the roof of southern Africa. *Afr. wild Life* 21: 304-320.
- JACOT GUILLARMOD, A., 1967b. Botanical exploration in Basutoland, (1861 to present). *S. Afr. J. Sci.* 63: 81-83.
- JACOT GUILLARMOD, A., 1968. Lesotho. *Acta phytogeogr. succ.* 54: 253-256.
- JACOT GUILLARMOD, A., 1969a. The effect of land usage on aquatic and semi-aquatic vegetation at high altitudes in southern Africa. *Hydrobiologia* 34: 3-13.
- JACOT GUILLARMOD, A., 1969b. Modern agricultural practice and limnology in Lesotho. *News Lett. Limnol. Soc. sth. Afr. No. 13*, pp. 41-44.
- JACOT GUILLARMOD, A., 1970a. Aquatic weeds in southern Africa. *Probe, Science Students Council Journal*, University of the Witwatersrand, pp. 47-49 & 53.
- JACOT GUILLARMOD, A., 1970b. The Orange River headwaters. *News Lett. Limnol. Soc. sth. Afr. No. 15*, pp. 46-51.
- JACOT GUILLARMOD, A., 1971. Flora of Lesotho, (Basutoland). *Lehre: Cramer. (Flora et Vegetation Mundi. Band 3.)*, pp. 474.
- JACOT GUILLARMOD, A., 1972. The bogs and sponges of the Orange River catchment within Lesotho. *Civ. Engr S. Afr.* 14:2: 84-85.
- JACOT GUILLARMOD, A., 1973. Fish River vegetation. *Veld & Flora* 3: 47-49 & 52.
- JACOT GUILLARMOD, A. & BUNTON, P.H., 1968. The Thomas Baines Nature Reserve. *Afr. wild Life* 22: 105-106.
- JACOT GUILLARMOD, C., 1951. A South African leguminous plant attractive to Hymenoptera. *Entomologist's Mag.* 87: 235-236.
- JAEGER, F., 1939. Untersuchungen der pflanzen und vleys, Sudafrikas. *Petermanns geogr. Mitt.* 236.
- JAEGER, F., 1965. Geographische Landschaften Sudwestafrikas. Windhoek: SWA. Wissenschaftlichen Gessellschaft, pp. 251.
- JAMES, A.L., 1966. Stabilizing mine dumps with vegetation. *Endeavour* 25: 154-157.
- JAMES, W., 1973. Storage of water on the Zululand coastal plains. *Natal Town & Regional Planning Report* 22. pp. 57.
- JANKOWITZ, W.J., 1975. Aloes of South West Africa. Windhoek: Administration of South West Africa, Division of Nature Conservation and Tourism, pp. 61.
- JANSE VAN VUUREN, D.R., 1961. 'n Ekologiese studie van die plantegroei van 'n noordelike en suidelike kloof van die Magaliesberge. M.Sc. thesis, University of Pretoria. pp. 254.
- JANSE VAN VUUREN, D.R., 1973. Die oorsprong en verwantskappe van die Suid Afrikaanse flora. University of the North Publication Series C 25. pp. 26.
- JANSEN VAN RYSSSEN, F.W. & GROBBELAAR, N., 1970. The nodulating and nitrogen fixing ability of South African *Myrica* species. *S. Afr. J. Sci.* 66: 22-25.
- JARMAN, M.L. 1973. Preliminary assessment of veld burning patterns in Natal from ERTS-1 imagery. In *Malan, O.G. (ed.)*, To assess the value of satellite imagery resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 72-77.
- JARMAN, N.G., 1973a. An investigation into the boundaries of the evergreen forest and other vegetation types of the eastern Cape. In *Malan, O.G. (ed.)*, To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 61-72.
- JARMAN, N.G., 1973b. An investigation into the position of the evergreen forests and other vegetation of the eastern Cape. In *Malan, O.G. (ed.)*, To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 14-23.
- JARMAN, N.G., 1973c. An investigation into the mapping of kelp beds off the west coast of South Africa using ERTS-1 imagery. In *Malan, O.G. (ed.)*, To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 24-25.
- JARMAN, N.G. & BOSCH, O.J.H., 1973. The identification on mapping of extensive secondary invasive and degraded ecological types. In *Malan, O.G. (ed.)*, To assess the value of satellite imagery resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 10-11.
- JARMAN, P.J., 1968. The effect of the creation of Lake Kariba upon the terrestrial ecology of the Middle Zambezi Valley, with particular reference to the large mammals. Ph.D. thesis, University of Manchester.
- JARMAN, P.J., 1971. Diets of large mammals in the woodlands around Lake Kariba, Rhodesia. *Oecologia* 8: 157-178.
- JARMAN, P.J. & THOMAS, P.I., 1969. Observations on the distribution and survival of Mopane (*Colophospermum mopane* (Kirk ex Benth.) Kirk ex J. Léonard) seeds. *Kirkia* 7: 103-107.
- JENNINGS, A.C., 1923. Erosion: especially surface washing in Southern Rhodesia. *S. Afr. J. Sci.* 20: 204-207.
- JENNINGS, C.M.H., 1971. Note on hydrobiological research in Botswana with special emphasis on research in the hydrogeological field. *S. Afr. J. Sci.* 67: 12-21.
- JEPPE, B., 1969. South African aloes. Cape Town: Purnell.
- JEPPE, B., 1975. Natal wild flowers. Cape Town: Purnell.
- JEPPE, C.B., 1964. Excursion to Mont-aux-Sources. *Trees S. Afr.* 16: 2-10.

- JEPPE, C.B., 1965. Operation wildflower. *Afr. wild Life* 19: 117-122.
- JESSOP, J.P. & JACOT GUILLARMOD, A., 1969. The vegetation of the Thomas Baines Nature Reserve. *Jl S. Afr. Bot.* 35: 367-392.
- JOFFE, A. & TIDMARSH, C.E.M., 1961. The use of controlled environments for plant growth studies. *Jl S. Afr. biol. Soc.* 2: 29-35.
- JOHANSSON, E.Y., 1963. Ferns and fern allies of Transvaal. *Fauna Flora, Pretoria* 14: 54-87.
- JOHNSON, E. & LEACH, L.C., 1963. *Euphorbia* species from the Flora Zambesiaca area. *Kirkia* 3: 34.
- JONES, R.I., 1967a. Comparative effects of differential defoliation of grass plants in pure and mixed stands of two species. *S. Afr. J. agric. Sci.* 10: 429-444.
- JONES, R.I., 1967b. Outline of a new approach to the study of competition. *Proc. Grassld Soc. sth. Afr.* 2: 127-136.
- JONES, R.I., 1969. Research note on the survival time of a species which disappears from a mixed population. *Agroplanta* 1: 39-40.
- JONES, R.I., 1972a. Influence of clipping on individual plants: repeated cutting of *Themeda triandra*. *Agric. Res., Pretoria*, pp. 160-164.
- JONES, R.I., 1972b. Influence of clipping on individual grass plants: effects of height of clipping, level of reserves and moisture stress, on regrowth of *Themeda triandra*. *Agric. Res., Pretoria*, pp. 159-160.
- JONES, R.I., 1972c. Influence of clipping on individual grass plants: effect of time of defoliation on the survival of *Aristida junceiformis*. *Agric. Res., Pretoria*, pp. 159.
- JONES, R.I. & BARTHOLOMEW, P.E., 1971. A way to measure the spread of plants from a focus. *Proc. Grassld Soc. sth. Afr.*, 6: 170-175.
- JONES, R.M., 1963. Preliminary studies of the germination of seed of *Acacia cyclops* and *Acacia cyanophylla*. *S. Afr. J. Sci.* 59: 296-298.
- JONES, R.M., 1964. A further study of secondary succession on the Highveld. M.Sc. thesis, University of the Witwatersrand.
- JONES, R.M., 1968. Seed production of species in the Highveld secondary succession. *J. Ecol.* 56: 661-666.
- JONG, K. & ROUX, E.R., 1955. A further investigation of the nitrogen sensitivity of veld grasses. *S. Afr. J. Sci.* 52: 27-28.
- JOOSTE, J. VAN DER W., 1965. Experiments on the control of *Acacia mearnsii* De Wild. *S. Afr. J. agric. Sci.* 8: 1165-1166.
- JOOSTE, J. VAN DER W., 1967. Die bestryding van *Hakea*. *Tydskr. Natuurwet.* 6/7: 315-318.
- JORDAAN, P.G., 1946. Plantegroei van die distrikte Bredasdorp en Caledon. *Tydskr. Wet. Kuns* 6: 47-58.
- JORDAAN, P.G., 1949a. Aantekeninge oor die voortplanting en brandperiodes van *Protea mellifera* Thunb. *Jl S. Afr. Bot.* 15: 121-125.
- JORDAAN, P.G., 1949b. Gemeenskapontwikkeling en veldbeheer. *Tydskr. Wet. Kuns* 9: 204-214.
- JORDAAN, P.G., 1965. Die invloed van 'n winterbrand op die voortplanting van vier soorte van die Proteaceae. *Tydskr. Natuurwet.* 5: 27-31.
- JORDAAN, P.G., 1971. Die remming van saadverspreiding in dorre streke. *J. bot. Soc. S. Afr.* 57: 24-29.
- JORDAN, R.J., 1943. Transplanting of grasses. Some observations. *S. Afr. J. Sci.* 40: 153-156.
- JOUBERT, E., 1972. A simplified punch-card system for recording biological information in the field. *Madoqua* 1: 69-71.
- JOUBERT, J.G.V., 1960. Bush encroachment a serious problem in S.W.A. *Fmg S. Afr.* 36, 4: 20 & 22.
- JOUBERT, J.G.V., 1962. Bosindringing - die invloed van verskillende behandelings op die verhouding van *Acacia detinens* Burch (Swarthaak) tot gras in die Damaralandse doringboom savannahveld in Suidwes-Afrika. M.Sc. thesis, University of Stellenbosch.
- JOUBERT, J.G.V., 1966. Effect of various treatments on the ratio of bushes to grass in the Damaraland thorn tree savanna in South West Africa. *Annale Univ. Stellenbosch Serie A* 41: 435-463.
- JOUBERT, J.G.V., 1968a. Die ekologie van die weiveld van die Robertson-Karoo. D.Sc. thesis, University of Stellenbosch. pp. 162.
- JOUBERT, J.G.V., 1968b. Weiveldbenutting en verbetering met spesiale verwysing na die Klein-Karoo. In Swart, J.C. (ed.), *Die skaap en sy vag*. Cape Town: Nasionale Boekhandel.
- JOUBERT, J.G.V., 1969. Improved grazing on the strandveld. *Fmg S. Afr.* 44, 10: 17, 22 & 34.
- JOUBERT, J.G.V., 1970. Die Robertson Karoo as weiveldstreek. *Proc. Grassld Soc. sth. Afr.* 5: 62-68.
- JOUBERT, J.G.V., 1971. 'n Voorlopige vergelyking tussen twee beweidings stelsels op Weskus Strandveld. *Proc. Grassld Soc. sth. Afr.* 6: 78-81.
- JOUBERT, J.G.V., STIWDT, H.W. & PEROLD, I.S., 1969. The nutritive value of natural pastures in the districts of Calitzdorp, George, Knysna, Mossel Bay, Oudtshoorn and Uniondale in the winter rainfall area of the Republic of South Africa. *Tech. Comm. Dep. agric. tech. Serv. (S. Afr.) Pretoria* No. 82, pp. 10.
- JUBB, R.A., 1962. The significance of air temperature extremes in some ecological studies. *S. Afr. J. Sci.* 58: 344-345.
- JUBB, R.A., 1973. The J.G. Strydom Dam, Pongola River, northern Zululand. The importance of the floodplain pans below it. *Piscator* 26, 86: 104-109.
- JUDD, E., 1967. What aloe is that? Cape Town: Purnell.
- JUNGIUS, H., 1971. Studies on the food and feeding behaviour of the reedbuck *Redunca arundinum* Boddaert 1785 in the Kruger National Park. *Koedoe* 14: 65-97.
- JUNOD, H., 1926. Considerations sur la flore sud-africaine. *Bull. Soc. bot. Geneve* ser 2, 18: 316.
- JURITZ, C.F., 1902. The chemical composition of the soils of the south-eastern districts of the Cape Colony. *Trans. S. Afr. phil. Soc.* 11: 125-160.
- JURITZ, C.F., 1909. *Euphorbia* latex as an anti-corrosive. *Agric. J. Cape G.H.* 34: 620-622.
- JURITZ, C.F., 1910. A study of the agricultural soils of the Cape Colony. Cape Town: Maskew Miller.
- JURITZ, C.F., 1914. South African plant poisons and their investigation. *S. Afr. J. Sci.* 11: 109-145.
- JURITZ, C.F., 1917. The grasses of the eastern coast belt available for the manufacture of paper. *S. Afr. J. Sci.* 14: 482.
- KALK, M., 1959. A general ecological survey of some shores in northern Mocambique. *Revta Biol. Lourenco Marq.* 2,1: 1-24.
- KALK, M. (ed.), 1970. Decline and recovery of a lake. Lake Chilwa Co-ordinated Research Project, University of Malawi, Zomba. pp. 11-60.
- KALK, M., 1971. The challenge of Lake Chilwa. *Afr. J. trop. Hydrobiol. Fish.* 1: 141-146.
- KANTHACK, F.E., 1907. Sluits: their evil and prevention. *Agric. J. Cape G. H.* 31: 574-589.
- KANTHACK, F.E., 1908. The destruction of mountain vegetation: its effects upon the agricultural conditions in the valleys. *Agric. J. Cape G.H.* 33: 194-204.
- KANTHACK, F.E., 1921. Notes on the Kunene River, southern Angola. *Geogr. J.* 4: 321-336.
- KAPP, C.J., 1941. 'n Studie van diatome in die omgewing van Pretoria. M.Sc. thesis, University of Pretoria. pp. 96.
- KARSTEN, M.C., 1935. South African succulents in their habitat. *Cactus J.* 3: 67-69.
- KAY, J., 1963. Moremi Wildlife Reserve, Okavango. *Oryx* 7, 2/3: 102-105.
- KEAY, R.W.J., 1959. Vegetation map of Africa south of the Tropic of Cancer. Explanatory notes. London: Oxford University Press. pp. 24.
- KEAY, R.W.J., 1974. Changes in African vegetation. *Environ. & Change* 3: 387-394.
- KEEN, C.S., 1968. The development of a nocturnal warm air layer within a shallow valley. *S. Afr. geogr. J.* 50: 135.
- KEEN, C.S., 1971. Rainfall spectra and the delimitation of rainfall regimes in South Africa. M.Sc. thesis, University of the Witwatersrand.
- KEET, J.D.M., 1925. Trees and shrubs for the bushveld portions of the Pretoria, Rustenburg and Waterberg districts of the Transvaal. *J. Dep. Agric. Un. S. Afr.* 10: 306-323.
- KEET, J.D.M., 1927. Afforestation and conservation in South West Africa. Windhoek: John Meinert. pp. 66.
- KEET, J.D.M., 1929. Tree planting in the Orange Free State, Griqualand West, Bechuanaland and the north-eastern districts of the Cape Province. *Bull. Dep. For. Un. S. Afr.* No. 24, pp. 115.

- KEET, J.D.M., 1936. Report on drift sands in South Africa. Bull. Dep. Agric. For. Un. S. Afr. No. 172, pp. 44.
- KEET, J.D.M., 1939. Destruction of native forests in Northern Zululand. JI S. Afr. For. Ass. No. 3, pp. 115-116.
- KEET, J.D.M., 1950. Forests of the Okavango native territory. JI S. Afr. For. Ass. No. 19, pp. 77-88.
- KEET, J.D.M., 1951. Check-list of trees of the Okavango native territory. JI S. Afr. For. Ass. No. 20, pp. 106-107.
- KEET, J.D.M., 1961. Stinkwood stories. JI S. Afr. For. Ass. No. 38, pp. 34-35.
- KEET, J.D.M., 1962a. The *Trema* plantations of Westfalia Estate. S. Afr. For. J. No. 41, pp. 15-27.
- KEET, J.D.M., 1962b. Letter to editor. S. Afr. For. J. No. 43, p. 26.
- KEET, J.D.M., 1965. The veld and forest fire laws of South Africa. S. Afr. For. J. No. 55, pp. 3-9.
- KEET, J.D.M., 1966. Management of plantations on short rotations specially for production of pulpwood - with particular reference to the use and conservation of water supplies. S. Afr. For. J. No. 59, pp. 9-13.
- KEET, J.H., 1966. Some thoughts on the effects of short rotation pine crops on the soil. S. Afr. For. J. No. 59, pp. 14-15.
- KELK, D.M. & DONALDSON, C.H., 1970. An investigation of veld problems in the Molopo area. 2. Some practical implications of the experimental findings. Proc. Grassld Soc. sth. Afr. 5: 58-61.
- KELLER, P., 1960. Bacteriological aspects of pollution in the Jukskei-Crocodile River system in the Transvaal, South Africa. Hydrobiologia 14: 205-254.
- KELLERMAN, J.H.P., 1965. Grondvogstudies op Vaalharts. M.Sc. (Agric.) thesis, University of Stellenbosch.
- KELLY, R.D., 1973. A comparative study of primary productivity under different kinds of landuse in south-eastern Rhodesia. Ph.D. thesis, University of London.
- KEMP, A.L.W., SAVILLE, H.A., GRAY, C.B. & MUDROCHOVA, A., 1971. A simple corer and a method for sampling the mud-water interface. Limnol. Oceanogr. 16, 4: 689-694.
- KEMP, P.H., 1962. Acidic drainage from coal mines with special reference to the Natal coal fields. CSIR Special Report W12, CSIR, Pretoria, pp. 24.
- KEMP, P.H., 1967. Hydrobiological studies on the Tugela River System, part 6. Acidic drainage from mines of Natal coalfields. Hydrobiologia 29: 393-425.
- KENNAN, T.C.D., 1951. Preliminary report on a comparison of several heavy yielding perennial grasses for the production of ensilage. S. Afr. J. Sci. 47: 262.
- KENNAN, T.C.D., 1969. The significance of bush in grazing land in Rhodesia. Rhod. Sci. News 3: 331-336.
- KENNAN, T.C.D. & BARNES, D.L., 1973. The development of semi-arid bushveld to its full potential. 4. Rhodesia. Proc. Grassld Soc. sth. Afr. 8: 147-148.
- KENNAN, T.C.D., STAPLES, R.R. & WEST, O., 1955. Veld management in Southern Rhodesia. Rhodesia agric. J. 52: 4-21.
- KENNARD, D.G. & WALKER, B.H., 1973. Relationships between tree canopy cover and *Panicum maximum* in the vicinity of Fort Victoria. Rhod. J. agric. Res. 11: 145-153.
- KERFOOT, O., 1963. The root systems of tropical forest trees. Commonw. For. Rev. 42: 19-26.
- KERFOOT, O., 1966. Distribution of the Coniferae: the Cupressaceae in Africa. Nature, Lond. 212: 961.
- KERS, L.E., 1967. The distribution of *Welwitschia mirabilis* Hook.f. Svensk bot. Tidskr. 61: 97-125.
- KERS, L.E., 1969. On *Sphaeranthus similis* Kers sp. nov., *S. epigaeus* Schinz and *S. stuhlmannii* O. Hoffm. (Compositae) with notes on their distribution, branching and growth habit. Dinteria 2: 3-12.
- KERS, L.E., 1971. Notes on the flora of Angola. Bot. Notiser 124: 16-24.
- KETTLITZ, W.K. & VERSCHUUR, T.B., 1958. The Hans Merensky Nature Reserve. Fauna Flora, Pretoria 9: 29-49.
- KEULDER, P.C., 1969. Hydrobiological aspects of the Orange/Caledon System. News Lett. Limnol. Soc. sth. Afr. No. 13, pp. 56-65.
- KIDD, M.M., 1950. Wild flowers of the Cape Peninsula. Cape Town: Oxford University Press.
- KIES, P., 1948. Acacias and shrubs at Wonderboom. Afr. wild Life 2: 52-57.
- KILLICK, D.J.B., 1950. An account of the plant ecology of the Table Mountain area of Pietermaritzburg, Natal. M.Sc. thesis, University of Natal.
- KILLICK, D.J.B., 1959. An account of the plant ecology of Table Mountain area of Pietermaritzburg, Natal. Mem. bot. Surv. S. Afr. No. 32, pp. 133.
- KILLICK, D.J.B., 1961a. An account of the plant ecology of the Cathedral Peak area of the Natal Drakensberg. Ph.D. thesis, University of Natal.
- KILLICK, D.J.B., 1961b. Vegetation of the Cathedral Peak area of the Natal Drakensberg. JI S. Afr. biol. Soc. 2: 24-25.
- KILLICK, D.J.B., 1963a. An account of the plant ecology of the Cathedral Peak Area of the Natal Drakensberg. Mem. bot. Surv. S. Afr. No. 34, pp. 178.
- KILLICK, D.J.B., 1963b. Our five types of vegetation. Fmg S. Afr. 39, 7: 14-16 & 65.
- KILLICK, D.J.B., 1966. Report on the Dukuduku Forest. Botanical Research Institute, Pretoria. pp. 12.
- KILLICK, D.J.B., 1968a. Conservation of vegetation in the Transvaal. Acta phytogeogr. succ. 54: 239-243.
- KILLICK, D.J.B., 1968b. Fifty years of plant ecology in South Africa. JI S. Afr. biol. Soc. 7, 8: 11-28.
- KILLICK, D.J.B., 1968c. Progress in the mapping of the vegetation of South Africa. Acta phytogeogr. succ. 54: 314-318.
- KILLICK, D.J.B., 1969. A new grass from Lesotho. Afr. wild Life 23: 47-53.
- KILLICK, D.J.B., 1971. Plants of the Drakensberg Mountains. Q. Bull. alp. Gdn Soc. 39: 29-30 & 55.
- KILLICK, D.J.B. & DE WINTER, B., 1965. Thorn trees of the Lowveld. Lantern 15, 2: 153-157.
- KILLICK, D.J.B. & EDWARDS, D., 1971. Compilation of an ecological bibliography for southern Africa. Mitt. bot. StSamml., Münch. 10: 487-488.
- KING, K.A.J., 1973. Determination of the heat capacity of Lake Kariba. S. Afr. J. Sci. 69: 119-120.
- KING, L.C., 1941. A miniature desert in Natal. S. Afr. geogr. J. 23: 58-61.
- KING, L.C., 1942. Notes to accompany a topographical map of part of the Valley of a Thousand Hills, Natal. Ann. Natal Mus. 10: 127-140.
- KING, L.C., 1952. Vegetation patterns revealing former Kalahari dune-sands in Southern Rhodesia. S. Afr. J. Sci. 48: 374-375.
- KING, L.C., 1958. Basic palaeogeography of Gondwanaland during the late Palaeozoic and Mesozoic eras. Q. J. geol. Soc. Lond. 114: 47-70.
- KING, L.C., 1974. Aspects of the High Drakensberg: illustrated by air photographs. S. Afr. geogr. J. 56: 128-136.
- KING, L.C. & FAIR, F.J.D., 1944. Hillslopes and dongas. Trans. geol. Soc. S. Afr. 47: 1-4.
- KING, N.L., 1938. Historical sketch of the development of forestry in South Africa. JI S. Afr. For. Ass. No. 1, pp. 4-16.
- KING, N.L., 1939a. Plant succession on the Transkeian coast. JI S. Afr. For. Ass. No. 3, pp. 113.
- KING, N.L., 1939b. Reclamation of Port Elizabeth drift sands. JI S. Afr. For. Ass. No. 2, pp. 5-10.
- KING, N.L., 1939c. The Knysna forests and the woodcutter problem. JI S. Afr. For. Ass. No. 3, pp. 6-15.
- KING, N.L., 1940. The Manubi forest. JI S. Afr. For. Ass. No. 4, pp. 24-29.
- KING, N.L., 1941. The exploitation of the indigenous forests of South Africa. JI S. Afr. For. Ass. No. 6, pp. 26-48.
- KING, N.L., 1951. Tree-planting in South Africa. JI S. Afr. For. Ass. No. 21, pp. 1-102.
- KING, N.L., 1952. Some notes on forestry in Northern Rhodesia. JI S. Afr. For. Ass. No. 22, pp. 34-37.
- KING, N.L., 1964a. Trees, shrubs and climbers in Kloof - Hillcrest area. S. Afr. For. J. No. 50, pp. 5-21.
- KING, N.L., 1964b. Trees, shrubs and climbers in Kloof - Hillcrest area. Part 2. S. Afr. For. J. No. 51, pp. 4-19.
- KING, R.D., 1975. An investigation into the phytoplankton of selected areas of Lake Kariba. M.Sc. thesis, University of the Witwatersrand.
- KIRBY, D.W., AUCAMP, A.J. & INGPEN, R.A., 1972. Studies on various grazing systems for the Dohne sourveld: investigation of the winter utilization of summer spared veld. Agric. Res., Pretoria, pp. 170.

- KLINTWORTH, H., 1948. Desert encroachment over the Karoo. *Fmg S. Afr.* 23: 723-728.
- KLINTWORTH, H., 1952. The use of brakwater for irrigation. *Bull. Dep. Agric. Un. S. Afr.* No. 328, pp. 14.
- KNAPP, R., 1966. African forests and dry grassland communities in the regions of the Zambezi and Umzingwani. *Geobot. Mitt., Giessen* 40: 205-226.
- KNAPP, R., 1968. *Hohere Vegetations-Einheiten von Athiopien, Somalia, Natal, Transvaal, Kapland und einigen Nachbargebieten*. *Geobot. Mitt., Giessen* 56: 1-36.
- KNOBEL, R., 1965. Products and by-products of nature conservation. *Afr. wild Life* 19: 271-274.
- KNOBLAUCH, E., 1896. *Oecologische anatomie der holzpflanzen der Sudafrikanischen immergrun en buschregion*. Tübingen. pp. 44.
- KNOX, A., 1911. *The climate of the continent of Africa*. London: Cambridge University Press. pp. 552.
- KOELEMAN, A., 1973. Transvaal's big trees. *Fauna Flora, Pretoria* 23: 10-15.
- KOKOT, D.F., 1950. Kalahari facts and fantasies. *Farmer's Weekly, Bloemfontein*, 26 July, pp. 10-12.
- KOKOT, D.F., 1966. Desert encroachment. *Veldtrust* 27, 10: 11, 13 & 25.
- KOKOT, D.F., 1967. Is water the limiting factor in the development of South Africa? *Optima* 17,1: 12-17.
- KOMAREC, E.V. (Sr), 1971. Lightning and fire ecology in Africa. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 473-509.
- KOPP, A., 1937. *Les Paturages naturels dans l'Union Sud Africaine*. *Revue Bot. appl. Agric. trop.* 17: 523-526.
- KORNAS, J., 1974. The Pteridophyta of the Kundahla Falls, Zambia. *Acta Soc. Bot. Pol.* 43: 479-483.
- KORNAS, J., 1975. Tuber production and fire-resistance in *Lycopodium carolinianum* L. in Zambia. *Acta Soc. Bot. Pol.* 44: 653-663.
- KOTZE, J.J., 1921. Some remarks on the establishment and tending of timber plantations with special reference to the Cape Province. *S. Afr. J. nat. Hist.* 3: 145-173.
- KOTZE, J.J., 1926. *Pinus patula*, Schlecht. & Cham., its introduction into and growth in South Africa. *S. Afr. J. Sci.* 23: 455-466.
- KOTZE, J.J., 1937. Forestry in relation to the mining industry of the Witwatersrand. *S. Afr. J. Sci.* 33: 359-361.
- KOTZE, J.J., 1940. Reclamation of the Cape Flats. *Jl S. Afr. For. Ass. No. 5*, pp. 73-74.
- KOTZE, J.J., 1943. Nomenclature of the South African yellowwoods: introduction with notes on distribution. *Jl S. Afr. For. Ass. No. 10*, pp. 23-25.
- KOTZE, J.J., 1954. A pictorial record of a driftsand reclamation task at Blaauwberg. *C.P. Jl S. Afr. For. Ass. No. 25*, pp. 52-57.
- KOTZE, J.J. & HUBBARD, C.S., 1928. The growth of eucalypts on the Highveld and south-eastern mountain veld of the Transvaal. *Bull. Dep. For. Un. S. Afr.* No. 21, pp. 24.
- KOTZE, J.J. & HUBBARD, C.S., 1930. The growth of eucalypts in the sub-tropical plantations of the northern Transvaal and Zululand. *Emp. For. J.* 9: 64-100.
- KRAUSS, F., 1844. *Pflanzen des Cap- und Natalandes*. *Flora, Jena* 27: 261-274, 277-307, 346-359, 423-432, 551-559, 667-702 & 819-835.
- KRAUSS, F., 1845. *Pflanzen des Cap- und Natalandes*. *Flora, Jena* 28: 65-93, 305-314, 337-344 & 753-764.
- KRAUSS, F., 1846. *Pflanzen des Cap- und Natalandes*. *Flora, Jena* 29: 113-121, 129-138 & 209-219.
- KRIEL, J.P. (chairman), 1966. Report of the Commission of inquiry into the alleged threat to animal and plant life in Lake St Lucia, 1964-1966. Pretoria: Government Printer. pp. 371.
- KRUGER, F.J., 1974. The physiography and plant communities of Jakkalsrivier catchment. M.Sc. thesis, University of Stellenbosch.
- KRUGER, G.P., 1973. Small scale soil and terrain mapping. In Malan, O.G. (ed.), To assess the value of satellite imagery resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973. CSIR, Pretoria, pp. 19-32.
- KRUGER, J.A., 1971. 'n Ekologiese ondersoek van die plantegroei van die plaas Somerville 53 en omgewing (dist. Ventersdorp), met besondere aandag aan die bodem kundige aspek. M.Sc. thesis, Potchefstroom University for CHE.
- KRUGER, J.A. & EDWARDS, P.J., 1972. Benutting en relatiewe smaaklikheid van verskillende grasspesies. *Proc. Grassld Soc. sth. Afr.* 7: 146-155.
- KRUGER, J.A. & SMIT, I.B.J., 1973. Herwinning van oulande in die Oos Vrystaat deur die insaai van *Digitaria smutsii*, *Eragrostis curvula* en *Themeda triandra*. *Agroplantae* 5: 101-106.
- KRUGER, T.J., 1973. Bome, struik en rankplante. Bethal: Kruger. pp. 570.
- KRUPKO, I. & DAVIDSON, R.L., 1961. An experimental study of *Stoebe vulgaris* in relation to grazing and burning. *Emp. J. exp. Agric.* 29: 175-180.
- KUNTZ, J., 1912. Die Ovat schimba im nordlichen Kaokofeld (Deutsch-Sudwestafrika). *Petermans Mitt.* 2: 206.
- KURZ, H. & KURZ, G., 1973. *Okologische unter suchungen am Strandgewassen Sudwestafrikas, Namib und Meer* 4: 41-64.
- KYLE, D., 1971. The planning and uses of vertical aerial colour photography in mineral exploration and natural resources survey. *Rhod. Sci. News* 5: 251-252.
- LABURN, R.J., 1974. The effect of pollution on the Vaal River barrage and the quest for water quality. *Civ. Engr S. Afr.* 16,2: 62-65.
- LACEY, W.S., 1961. Studies in the Karoo floras of Rhodesia and Nyasaland. *Proc. Trans. Rhod. scient. Ass.* 49: 26-53.
- LACEY, W.S., VAN DIJK, D.E. & GORDON-GRAY, K.D., 1975. Fossil plants from the Upper Permian in the Mooi River district of Natal, South Africa. *Ann. Natal Mus.* 22: 349-420.
- LACK, C.E., 1957. Forestry development in Natal. *Jl S. Afr. For. Ass. No. 29*, pp. 19-30.
- LAMBERT, G., ALEXANDER A.J. & ALLETSON, J., 1972. Method used in a preliminary study of the ecology of a marine reef of Durban Beach. *S. Afr. J. Sci.* 68: 221-224.
- LAMPRECHT, M.P., 1957. Drought resistant fodder crops. In *Handbook for farmers in South Africa*. 3: 693-700. Pretoria: Department of Agriculture.
- LAMPRECHT, M.P., 1959. Artificial pastures do well in the Karoo. *Fmg S. Afr.* 33: 10.
- LAMPRECHT, M.P., 1963. Die verbouing van meerjarige weidingmengsels onder besproeiing in die Karoo. *S. Afr. J. agric. Sci.* 6: 347-362.
- LANDMAN, J., 1966. 'n Monographiese studie van die inheemse spesies van die genus *Sterculia* Linn. M.Sc. thesis, University of Pretoria.
- LANDSELL, K.A., 1925. *Onkruid van Suid-Afrika*. Pretoria: Government Printer.
- LANG, P.O., 1952. The vegetation of the Insiza and Shangani intensive conservation areas. *Rhodesia agric. J.* 49: 346-351.
- LANGDALE-BROWN, I. & SPOONER, R.J., 1963. The land use prospects of northern Bechuanaland. Forestry and Land Use Section, Directorate of Overseas Surveys, Tolworth.
- LAPERRE, P.E., 1971. Zambesi delta soils for the production of sugarcane: their classification, morphology, chemical and physical properties. *Agronomia Mocambicana* 5,4: 237-260.
- LAPIDO-LOUREIRO, F.E. DE V., 1967. Nota Previa sobre as estruturas Carbonatiticas de Angola. *Bol. Inst. Invest. Cient. Angola* 4,2: 45-65.
- LAUBENFELS, D.J. DE., 1975. Mapping world vegetation: regionalization of formations and flora. Syracuse: Syracuse University Press. pp. 246.
- LAUBSCHER, F.X., 1949. Plant breeding for southern Africa. In *Statements and communications of the African Regional Scientific Conference*, 17-28 Oct. 1946, Johannesburg. pp. 138-141. Johannesburg.
- LAUGHTON, E.M., 1964. Occurrence of fungal hyphae in young roots of South African indigenous plants. *Bot. Gaz.* 125: 38-40.
- LAUGHTON, F.S., 1937a. The effects of soil and climate on the growth and vigour of *Pinus radiata* D. Don in South Africa. *S. Afr. J. agric. Sci.* 33: 589-604.
- LAUGHTON, F.S., 1937b. The sylviculture of the indigenous forests of the Union of South Africa with special reference to the forests of the Knysna region. *Sci. Bull. Dep. Agric. For. Un. S. Afr.* No. 157, pp. 168.
- LAUGHTON, F.S., 1938. The raising of transplants of indigenous

- tree species for open-rooted planting. *Jl S. Afr. For. Ass.* No. 1, pp. 17-27.
- LAUGHTON, F.S., 1942. Notes on the silviculture of the indigenous forests. *Jl S. Afr. For. Ass.* No. 8, pp. 24-36.
- LAUNERT, E., 1957a. Neue Arten und Erstfunde aus Südwestafrika. *Mitt. bot. StSamml., Münch.* 16: 306-315.
- LAUNERT, E., 1957b. Studien zur flora von Südwestafrika. *Mitt. Bot. StSamml., Münch.* 18: 358-367.
- LAUNERT, E., 1958. Systematische und arealkundliche bearbeitung einiger pflanzenfamilien Südwestafrikas. Ph.D. thesis, University of Ludwig-Maximilians, München.
- LAWRENCE, R.F., 1938. The relation of mites to animals and plants in South Africa. *S. Afr. J. Sci.* 35: 332-338.
- LAWTON, R.M., 1963. Palaeoecological and ecological studies in the Northern Province of Northern Rhodesia. *Kirkia* 3: 46-77.
- LAWTON, R.M., 1964. The ecology of the *Marquisia acuminata* (Gilg) R.E.Fr. evergreen forests and the related chipya vegetation types of north-east Rhodesia. *J. Ecol.* 52: 467-479.
- LAWTON, R.M., 1967a. Bush encroachment in Zambia. *Pestic. Abstr. Ser. B* 13.4: 335-353.
- LAWTON, R.M., 1967b. The conservation and management of the riparian evergreen forests of Zambia. *Emp. For. Rev.* 46: 223-232.
- LAWTON, R.M., 1972a. An ecological study of miombo and chipya woodland with particular reference to Zambia. Ph.D. thesis, Oxford University.
- LAWTON, R.M., 1972b. A vegetation survey of northern Zambia. In Van Zinderen Bakker, E.M. (ed.), *Palaeoecology of Africa* 6: 253-256. Cape Town: Balkema.
- LAYDEVANT, F., 1942. Les plantes et l'ethnographie du Basutoland. *Annali lateran* 6: 237-283.
- LE CLUS, C.F., NEL, J.J.C. & OPPERMAN, D.P.J., 1972. How much to spend when combatting termites. *Fmg S. Afr.* 47,11: 30-33.
- LE ROI LE RICHE, H. & HEY, D., 1947. A preliminary report on river pollution in the Cape Western area. In *Inland Fisheries Department report 4*, pp.7-12. Cape Town: Provincial Administration of the Cape of Good Hope, Union of South Africa.
- LE ROUX, C.J.G., 1972a. Effect of the browsing animal on thornscrub in Natal: effect of goats on *Acacia tortilis*. *Agric. Res., Pretoria*, pp. 147-149.
- LE ROUX, C.J.G., 1972b. Burning and/or mowing veld without grazing. *Agric. Res., Pretoria*, pp. 164-167.
- LE ROUX, H.H., 1966. Veldbestuur in die wateropvang gebiede van die winterreënstreek van Suidwes-Kaapland. *For. S. Afr.* No. 6, pp. 1-32.
- LE ROUX, J. & DE VILLIERS, J.M., 1965. The contribution of hydronium and aluminium ions to acidity in some Natal soils. *S. Afr. J. agric. Sci.* 8: 1079-1090.
- LE ROUX, J. & DE VILLIERS, J.M., 1966. Cation exchange capacity and degree of saturation with metal of highly weathered soils. *S. Afr. J. agric. Sci.* 9: 31-42.
- LE ROUX, J. & SCOTNEY, D.M., 1970. A key to the soils of Natal. Pretoria: Department of Agricultural Technical Services. pp. 96.
- LE ROUX, J. & SUMNER, M.E., 1968. Labile potassium in soils. 1. Factors affecting the quantity-intensity (Q/I) parameters. *Soil Sci.* 106,1: 35-41.
- LE ROUX, J.H., 1945. An investigation into various aspects of the water relations of certain grasses. M.Sc. thesis, University of the Witwatersrand.
- LE ROUX, P.J., 1971. The common names and a few uses of the better known indigenous plants of South West Africa. *Bull. Dep. For. S. Afr.* No. 47, pp. 81.
- LE ROUX, P.J., & ESTERHUYSE, C.J., 1967. Die aanplant van sierbome, sierstruie en rankplante in Suidwes-Afrika. *Bull. Dep. For. S. Afr.* No. 43, pp. 75.
- LEACH, L.C., 1968. *Euphorbia succulentae* Angolensis. *Bolm Soc. broteriana* 42: 161.
- LEACH, L.C., 1973. *Euphorbia* species from the Flora Zambesiaca area. 10. *Jl S. Afr. Bot.* 39,1: 2-22.
- LEACH, L.C., 1974. *Euphorbia succulentae* Angolensis. 4. Garcia de Orta, ser. Bot. 2: 31-54.
- LEACH, L.C., 1975. *Euphorbia* species from the Flora Zambesiaca area. 11. *Kirkia* 10: 293.
- LECATSAS, G., 1961. Some aspects of the ecology of *Stoebe vulgaris*. M.Sc. thesis, University of the Witwatersrand.
- LECATSAS, G., 1962. Solar radiation as a factor in the establishment of *Stoebe vulgaris*. *S. Afr. J. Sci.* 58: 304-306.
- LECATSAS, G., 1963a. The spread of 'Bankrotbos' (*Stoebe vulgaris*). *S. Afr. J. Sci.* 59: 301-302.
- LECATSAS, G., 1963b. Control of *Stoebe vulgaris* by hoeing. *S. Afr. J. Sci.* 59: 564.
- LEEMANN, A.C., 1931. Vegetationsbilder aus den Magaliesbergen in der Hochebene von Transvaal. *Vegetationsbilder* 22: 13-18.
- LEEMANN, A.C., 1935a. The eradication of Gifblaar. *Fmg S. Afr.* 10: 233-236.
- LEEMANN, A.C., 1935b. The Blauwberg in the Northern Transvaal. *Vegetationsbilder* 24: 1-13 & 43-48.
- LEEMANN, A.C., 1938. Contribution a l'etude de *Dichapetalum cymosum* (Hook.), Engl. et de l'ecologie du Transvaal. *Bull. Soc. Bot. Geneve* 29: 73-134.
- LEENDERTZ, R. & BURTT DAVY, J., 1909. First annotated catalogue of the vascular plants of the Transvaal and Swaziland. *Rep. S. Afr. Ass. Advmt Sci.* 6: 230-236.
- LEGAT, C.E., 1910. Trees of the North-Eastern Transvaal. *Kew Bull.* 2: 49-55.
- LEGAT, C.E., 1918. Timber supplies and forestry in the Union. *S. Afr. J. Sci.* 15: 79-99.
- LEGAT, C.E., 1930. The cultivation of exotic conifers in South Africa. *Emp. For. J.* 9: 32-63.
- LEIGH, J.H., 1960a. Some aspects of the anatomy, ecology and physiology of *Eragrostis*. Ph.D. thesis, University of the Witwatersrand.
- LEIGH, J.H., 1960b. Temperature, moisture and daylength effects in lovegrass (*Eragrostis curvula*). *S. Afr. J. Sci.* 56: 268-269.
- LEIGH, J.H., 1961a. Low-temperature injury in lovegrass, *Eragrostis curvula* (Schrad) Nees. *Nature, Lond.* 189: 415-416.
- LEIGH, J.H., 1961b. Persistence of some varieties of pasture grass and their susceptibility to invasion by other species. *J. Ecol.* 49: 341-345.
- LEIGH, J.H., 1961c. The unity of the grass stool in *Eragrostis curvula*. *Jl S. Afr. Bot.* 27: 99-100.
- LEIGHTON, J., 1918a. Notes on the fibre produced from some of the most useful indigenous and exotic plants in the Cape Province. *S. Afr. J. Sci.* 15: 443-444.
- LEIGHTON, J., 1918b. Some suitable material for papermaking. *S. Afr. J. Sci.* 15: 287-289.
- LEISTNER, O.A., 1959a. Notes on the vegetation of the Kalahari Gemsbok National Park with special reference to its influence on the distribution of antelopes. *Koedoe* 2: 128-151.
- LEISTNER, O.A., 1959b. Preliminary list of plants found in the Kalahari Gemsbok National Park. *Koedoe* 2: 152-172.
- LEISTNER, O.A., 1961a. Zur verbreitung und oekologie der baume der Kalahari dunen. *Jl S.W. Africa scient. Soc.* 15: 35-40.
- LEISTNER, O.A., 1961b. On the dispersal of *Acacia giraffae* by game. *Koedoe* 4: 101-104.
- LEISTNER, O.A., 1964. The Kalahari: desert of the future? *Fmg S. Afr.* 39: 45-48.
- LEISTNER, O.A., 1967. The plant ecology of the southern Kalahari. *Mem. bot. Surv. S. Afr.* No. 38, pp. 172.
- LEISTNER, O.A., 1968. Plant life of the Namib Desert, Kalahari and Namaqualand. *Jl S. Afr. biol. Soc.* 9: 15-16.
- LEISTNER, O.A., 1971. Trees and shrubs of the Willem Pretorius Nature Reserve. Bloemfontein: Provincial Administration of the Orange Free State. pp. 27.
- LEISTNER, O.A. & WERGER, M.J.A., 1973. Southern Kalahari phytosociology. *Vegetatio* 28: 353-399.
- LEMON, P., 1964. Natural communities of the Malawi National Park (Nyika Plateau). Zomba: Government Printer.
- LEMON, P.C., 1968. Effects of fire on an African plateau grassland. *Ecology* 49: 316-322.
- LEMPF, F., 1956. Eine Erkundung der Brandberge in Südwestafrika. *Kosmos* 29: 424-448.
- LEONARD, J., 1965. Map of the extent of floristic exploration in Africa south of the Sahara. Published by AETFAT, Explanatory text. *Webbia* 19: 911-914.
- LEPPAN, H.D., 1928. The agricultural development of arid and semi-arid regions with special reference to South Africa. Johannesburg: Central New Agency. pp. 280.

- LESER, H., 1969a. Perspektiven geographische Forschungsarbeiten in Südwestafrika. *Jl S.W. Africa. scient. Soc.* 23: 7-23.
- LESER, H., 1969b. Studien zur oekologie des Kalaharisandgebietes um Auob und Nossob (oestliches Südwestafrika). *Jl S.W. Africa scient. Soc.* 23: 23.
- LESER, H., 1971. Landschaftsökologische Studien im kalaharisandgebiet um Auob und Nossob. Wiesbaden: Steiner. pp. 243.
- LESER, H., 1972. Geoökologische verhältnisse der Pflanzengesellschaften in den Savannen des Sandveldes um den Schwarzen Nossob und um Epukiro. *Dinteria* 6: 1-44.
- LESOTHO, VEGETATION, 1966. Lesotho Land Systems. East and West Sheets. 1:250 000. Bawden, M.G. & Carroll, D.M. Maseru: Public Works Department.
- LETTY, C., DYER, R.A., VERDOORN, I.C. & CODD, L.E., 1962. Wild flowers of the Transvaal. Pretoria: Trustees, Wild Flowers of the Transvaal Book Fund. pp. 362.
- LEUSNER, H., 1936. Der abnorme Regenfall in Südwestafrika 1933/34. *Geogr. Z.* 42: 423-427.
- LEVINKIND, L., 1941. Droughts in South Africa. *Fmg S. Afr.* 16: 180.
- LEVINSON, O., 1972. The wonder-world of the Namib. *Lantern* 31,3: 9.
- LEVYNS, M.R., 1924a. The distribution of the seaweeds of the Cape Peninsula. *S. Afr. J. Sci.* 21: 265.
- LEVYNS, M.R., 1924b. Some observations on the effects of bush fires on the vegetation of the Cape Peninsula. *S. Afr. J. Sci.* 21: 346-347.
- LEVYNS, M.R., 1927. A preliminary note on the Rhenoster Bush (*Elytropappus rhinocerotis*) and the germination of its seed. *Trans. R. Soc. S. Afr.* 14: 383-388.
- LEVYNS, M.R., 1929a. The systematic elements of the south-western vegetation. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province, pp. 33-39. Cape Town: Speciality Press.
- LEVYNS, M.R., 1929b. Sea weeds of the Cape Peninsula. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E. & Levyns, M.R., The botanical features of the south-western Cape Province, pp. 96-98. Cape Town: Speciality Press.
- LEVYNS, M.R., 1929c. A guide to the flora of the Cape Peninsula. Cape Town: Juta. pp. 284.
- LEVYNS, M.R., 1929d. The problem of the Rhenoster bush. *S. Afr. J. Sci.* 26: 166-169.
- LEVYNS, M.R., 1929e. Veld burning experiments at Ida's Valley, Stellenbosch. *Trans. R. Soc. S. Afr.* 17: 61-92.
- LEVYNS, M.R., 1930a. Floral evolution and geographical distribution in *Lobostemon*. *S. Afr. J. Sci.* 27: 317-322.
- LEVYNS, M.R., 1930b. The Rhenoster bush. *J. Bot. Soc. S. Afr.* 16: 14-15.
- LEVYNS, M.R., 1935. Germination in some South African seeds. *Jl S. Afr. Bot.* 1: 161-170.
- LEVYNS, M.R., 1936a. The flora of the Cape Mountains: its distribution and origins. *J. Mount. Club S. Afr. No.* 39, pp. 16-22.
- LEVYNS, M.R., 1936b. Veld burning experiments at Oakdale, Riversdale. *Trans. R. Soc. S. Afr.* 23: 231-243.
- LEVYNS, M.R., 1938a. Some evidence bearing on the past history of the Cape flora. *Trans. R. Soc. S. Afr.* 26: 401-424.
- LEVYNS, M.R., 1938b. The Little Karoo and its mountains: some botanical clues to the past. *J. Mount. Club S. Afr. No.* 41, pp. 33-36.
- LEVYNS, M.R., 1950. The relations of the Cape and the Karoo floras near Ladismith, Cape. *Trans. R. Soc. S. Afr.* 32: 235-246.
- LEVYNS, M.R., 1952. Clues to the past in the Cape flora of today. *S. Afr. J. Sci.* 49: 155-164.
- LEVYNS, M.R., 1954. Some geographical features of the family Polygalaceae in Southern Africa. *Trans. R. Soc. S. Afr.* 34: 379-386.
- LEVYNS, M.R., 1956. Notes on the biology and distribution of the Rhenoster bush. *S. Afr. J. Sci.* 52: 141-143.
- LEVYNS, M.R., 1958. The phytogeography of members of Proteaceae in Africa. *Jl S. Afr. Bot.* 24: 1-9.
- LEVYNS, M.R., 1961. Some impressions of a South African botanist in temperate western Australia. *Jl S. Afr. Bot.* 27: 87-97.
- LEVYNS, M.R., 1962a. Past plant migrations in South Africa. *Ann. Cape. Prov. Mus.* 2: 7-10.
- LEVYNS, M.R., 1962b. Possible Antarctic elements in the South African flora. *S. Afr. J. Sci.* 58: 237-241.
- LEVYNS, M.R., 1963. The origins of the flora of South Africa. *Lantern* 13,1: 17-21.
- LEVYNS, M.R., 1964. Migrations and origins of the Cape flora. *Trans. R. Soc. S. Afr.* 37: 85-107.
- LEVYNS, M.R., 1966a. Guide to the flora of the Cape Peninsula. Cape Town: Juta.
- LEVYNS, M.R., 1966b. *Haemanthus canaliculatus*, a new fire-lily from the western Cape Province. *Jl S. Afr. Bot.* 32: 73-75.
- LEVYNS, M.R., 1968. A botanist's memoirs: sixty years in the Botany Department of the University of Cape Town. University of Cape Town. pp. 40.
- LEVYNS, M.R., 1972. The natural vegetation of the University grounds forty years ago and records of the soil temperatures. *Contr. Bolus Herb.* 5: 79-104.
- LEWIS, A.D., 1936. Sand dunes of the Kalahari within the borders of the Union. *S. Afr. geogr. J.* 19: 22-32.
- LEWIS, O.A.M. & NAIDOO, G., 1970. Tidal influence on the apparent transpirational rhythm of the white mangrove. *S. Afr. J. Sci.* 66: 268-270.
- LEWIS, O.A.M. & STOCK, W.D., 1975. A preliminary study of the nitrogen nutritional status of members of the South Africa Proteaceae. *Jl S. Afr. Bot.* 44: 143-151.
- LIEBENBERG, C.D.B., 1935. Botanical survey of the south-eastern area. *Fmg S. Afr.* 10: 123-124.
- LIEBENBERG, C.D.B., 1945. Veld management and soil utilization in the south-eastern Cape Province. *Fmg S. Afr.* 20: 617-628 & 638.
- LIEBENBERG, D.P., 1972. The Drakensberg of Natal. Cape Town: Bulpin.
- LIEBENBERG, L.C.C., 1934a. Veld burning. 1. How it affects the farmer as well as the country. *Fmg S. Afr.* 9: 213-215.
- LIEBENBERG, L.C.C., 1934b. Veld burning. 2. Its influence on the various types of vegetation. *Fmg S. Afr.* 9: 265-266 & 278.
- LIGHTFOOT, C., 1973. Common veld grasses of Rhodesia. Salisbury: Natural Resources Board. pp. 131.
- LIGHTON, C., 1960. Cape Floral Kingdom. Cape Town: Juta.
- LINDIGER, L., 1909. Die wirtschaftliche Bedeutung der Baumaloe für Deutsch-Südwestafrika. *Jb. hamb. wiss. Anst.* 26,3: 47-58.
- LINLEY, K. & BAKER, B., 1972. Flowers of the veld. Salisbury: Longman Rhodesia. pp. 120.
- LINNAEUS, C. & WANNMAN, C.H., 1759. *Flora Capensis*. Uppsala. pp. 19.
- LISTER, J.S., 1902. Report on forestry in Natal and Zululand. Pietermaritzburg: Times.
- LISTER, L., 1965. The physical geography of Rhodesia. In Collins, M.O. (ed.), Rhodesia, its natural resources and economic development. Salisbury: Collins.
- LIVERSIDGE, R., 1962. Distribution of birds in relation to vegetation. *Ann. Cape Prov. Mus.* 2: 143-151.
- LIVERSIDGE, R., 1970. Identification of grazed grasses using epidermal characters. *Proc. Grassld Soc. sth. Afr.* 5: 153-165.
- LIVERSIDGE, R., 1972a. Grasses grazed by springbok and sheep. *Proc. Grassld Soc. sth. Afr.* 7: 32-38.
- LIVERSIDGE, R., 1972b. A preliminary study on fruit production in certain plants. *Ann. Cape Prov. Mus.* 9: 51-63.
- LIVINGSTON, B.E., 1906. The relation of desert plants to soil moisture and to evaporation. Washington: Carnegie Institution publication No. 50, pp. 78.
- LIVINGSTONE, D.A., 1971. A 22 000-year pollen record from the plateau of Zambia. *Limnol. Oceanogr.* 16: 349-356.
- LOGAN, R.F., 1960. The central Namib desert. South West Africa. Washington: National Academy of Sciences, National Research Council Publication No. 758, pp. 162.
- LOGAN, R.F., 1969a. Geography of the Central Namib Desert. In McGinnies, W.G. & Goldman, B.J. (eds), Arid lands in perspective, pp. 127-143. Arizona: University of Arizona Press.
- LOGAN, R.F., 1969b. Bibliography of SWA geography and related fields. Windhoek: SWA Scientific Society.
- LOMBAARD, H.D., 1971. 'n Ekologiese studie van aspekte van

- die generatiewe voortplanting van *Protea mellifera* en *Protea pulchella*. M.Sc. thesis, University of Stellenbosch.
- LOMBARD, G.L. 1972a. Blyderivierspoort. Fauna Flora, Pretoria 22: 2-5.
- LOMBARD, G.L., 1972b. The story of a lake. Fauna Flora, Pretoria 22: 14-15.
- LOMBARD, P.E., 1966. The nutritional value of the pastures of the Orange Free State region for beef cattle production. D.Sc. (Agric.) thesis, University of the Orange Free State.
- LONG, F.R., 1935. Aloes and the local succulent flora of Port Elizabeth. Cactus J. 4: 5-6.
- LONG, F.R., 1936. Some succulents of the Port Elizabeth district. Cactus Succ. J., Los Ang. 7: 67-69.
- LOOCK, E.E.M., 1951. A key to the trees and woody shrubs of the forests of the Knysna region. JI S. Afr. For. Ass. No. 20, pp. 81-105.
- LOOS, M.A. & LOUW, H.A., 1964. A study of the clover root nodule bacteria in soils of the George district. 2. Symbiotic characteristics. S. Afr. J. Agric. Sci. 7: 447-456.
- LOPES, H.C., DE CARVALHO, M.F. & OLIVIERA, J.S., 1971. Plantas alimentares de Mocambique. 2. Frutos silvestres. Agron. Mocam. 5: 107-115.
- LOPES DA SILVA, M., 1971. Algumas Notas sobre a Cultura do Eucalipto em Angola. Nova Lisboa, Instituto de Investigacao Agronomica de Angola Serie Tecnica 24.
- LOUBSER, J.H. & KOTZE, T.J., 1967. A farmer in South West combats bush encroachment with grass. Fmg S. Afr. 43:2: 42-45.
- LOUBSER, J.W., 1961. Die plantegroei van die koperstreek van Noord-Rhodesie. J. bot. Soc. S. Afr. 47: 10-11.
- LOUW, A.J., 1964. Bemestingstudies in verband met die natuurlike veld op die rooi-leemgrond van die Springbokvlakte. M.Sc. (Agric.) thesis, University of Pretoria.
- LOUW, A.J., 1966. Bemesting van natuurlike veld op rooi leemgrond van die Springbokvlakte. 1. Invloed van ammoniumsulfaat- en superfosfaatbemesting op plantkundige samestelling van die veld. S. Afr. J. agric. Sci. 9: 173-182.
- LOUW, A.J., 1968. Bemesting van natuurlike veld op rooi leemgrond van die Springbokvlakte. 2. Invloed van ammoniumsulfaat- en superfosfaatbemesting op lugdroemateriaalopbrengs en die minerale-inhoud daarvan. S. Afr. J. agr. Sci. 11: 629-636.
- LOUW, A.J., 1970. 'n Ekologiese studie van Mopanieveld noord van Soutpansberg. D.Sc. (Agric.) thesis, University of Pretoria.
- LOUW, A.J., 1971. Influence of grazing of cattle, sheep and goats in the northern Transvaal: effect on mopani veld. Agric. Res., Pretoria, pp. 114.
- LOUW, A.J., 1973a. Botaniese samestelling van beskermde persele in Mopanieveld. Agroplantae 5,1: 23-24.
- LOUW, A.J., 1973b. Botaniese veranderinge in 'n beskermde perseel op rooi kleigrond te Toowoomba-navorsingstasie. Agroplantae 5,2: 55-56.
- LOUW, A.J., 1973c. Ontwikkeling van half-dorre bosveld tot volle potensiaal. 1. Transvaal. Proc. Grassld Soc. sth. Afr. 8: 137-139.
- LOUW, A.J. & VAN DER MERWE, J.J., 1973. Invloed van ontbossing van gemengde veld op rooi kleigrond van die Springbokvlakte op veldsamestelling en diereproduksie. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria, No. 110.
- LOUW, G.N., 1969. The nutritive value of natural grazings in South Africa. Proc. S. Afr. Soc. Anim. Prod. 8: 57-61.
- LOUW, H.A., 1957. Microbiological analysis of a western Cape Province grain soil under various crop rotations. Sci. Bull. Dep. Agric. Un. S. Afr. No. 378, pp. 36.
- LOUW, J.G., 1938. The influence of frequency of cutting on yield, chemical composition, digestibility and nutritive value of some grass species. Onderstepoort J. vet. Sci. Anim. Ind. 11: 161.
- LOUW, M.J., 1954. 'n Regionale opname van die Thaba'Nehu distrik in die Oranje-Vrystaat. M.A. thesis, University of South Africa. pp. 152.
- LOUW, P.A., 1964. Bodemkundige aspekte van die Kalahari-Gemsbospark. Koedoe 7: 156-172.
- LOUW, W.J., 1949. An ecological survey of the flora of the Potchefstroom area. D.Sc. thesis, Potchefstroom University for CHE. pp. 133.
- LOUW, W.J., 1951. An ecological account of the vegetation of the Potchefstroom area. Mem. bot. Surv. S. Afr. No. 24, pp. 105.
- LOUW, W.J., 1970. Klipveld studies. 1. Check list of the vegetation. JI S. Afr. Bot. 36: 199-206.
- LOUWRENS, B.A., 1964. Some mushrooms of the Transvaal. Fauna Flora, Pretoria 15: 3-16.
- LOW, J.G., 1969. Aspects of the morphological development of *Themeda triandra* Forssk. and the *Eragrostis curvula*-*E. chloromelas* complex. M.Sc. (Agric.) thesis, University of Pretoria.
- LOWES, J.J., 1963. A preliminary investigation into the relative merits of pre-rain and post-rain burning of sour veld in the spring. M.Sc. thesis, University of the Witwatersrand.
- LOXTON, R.F., 1961. A modified chart for the determination of basic soil textural classes in terms of the international classification for soil separates. S. Afr. J. agric. Sci. 4: 507-512.
- LOXTON, R.F., 1962a. Soil survey of Kroonstad. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria, No. 15, pp. 63.
- LOXTON, R.F., 1962b. The soils of the Republic of South Africa: a preliminary reclassification. S. Afr. J. Sci. 58: 45-53.
- LOXTON, R.F., 1968. A case for pedological survey in the timber industry. S. Afr. For. J. 65: 33-35.
- LOXTON, R.F., 1970. Soil classification project north-western Orange Free State: classification and description of soil series. Johannesburg: Loxton & Hunting.
- LOXTON, R.F., 1971. Soil and water. S. Afr. J. Sci. 67: 137-139.
- LUCAS, A., 1965. The Melville Koppies Nature Reserve. Botanical Report. J. bot. Soc. S. Afr. 51: 26-26.
- LUCAS, A. & PIKE, B., 1971. Wild flowers of the Witwatersrand. Cape Town: Purnell.
- LUCKHOFF, H.A., 1954. The establishment and regeneration of *Eucalyptus saligna* plantations in the coastal belt of Zululand. JI S. Afr. For. Ass. 25: 1-20.
- LUCKHOFF, H.A., 1964a. The natural distribution, growth and botanical variation of *Pinus caribaea* and its cultivation in South Africa. Annale Univ. Stellenbosch Serie A 39,1: 1-160.
- LUCKHOFF, H.A., 1964b. The natural distribution growth and botanical variation of *Pinus caribaea* and its cultivation in South Africa. D.Sc. thesis, University of Stellenbosch.
- LUCKHOFF, H.A., 1965. The South African Widdringtonias. Afr. wild Life 19: 63-71.
- LUCKHOFF, H.A., 1971. The Clanwilliam Cedar (*Widdringtonia cedarbergensis* Marsh): its past history and present status. J. bot. Soc. S. Afr. 57: 17-23.
- LUDORF, R. & CHANNON, P., 1965. Cation studies on a typical soil of the Natal midlands. Proc. 39th Congr. S. Afr. Sug. Technol. Ass., pp. 203-208.
- LUDORF, R. & SCOTNEY, D.M., 1975. Soils of Lions River and Mooi River Valley soil conservation districts. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 94, pp. 101.
- LUGARD, E.J. & BROWN, N.E., 1909. The flora of Ngamiland. Bull. misc. Inf. R. bot Gdns Kew 3: 81-89.
- LUTJEHARMS, W.J., 1946. Oecologia subterranea: die grond as omgewing. S. Afr. J. Sci. 42: 43-61.
- MAACK, R., 1923. Der Brandberg: ein Beitrag zur landeskundung von Sudwestafrika. Z. Ges. Erdk. Berl., pp. 1-14.
- MAACK, R., 1960. Erstbesteigung des Brandberges und entdeckung der "Wei Ben Dame". JI S.W. Africa scient. Soc. 14: 5-38.
- MACEDO, J.M. DE A., 1970. Serra de Gorongosa: Necessidade e bases da sua proteccao. Instituto de Investigacao Agronomica de Mocambique Comunicacoes 44, pp. 92.
- MACKENZIE, A.A., 1967. The desirability of afforestation in Bantu Reserves within the Republic. S. Afr. For. J. 67: 1-4.
- MACKENZIE, L.A., 1946. Report on the Kalahari expedition, 1945. Pretoria: Government Printer.
- MACNAE, M.M., 1962. Common trees and shrubs of the Melville Koppies Nature Reserve. Guide Book. Part 1. Johannesburg: Council for Natural History.
- MACNAE, M.M., GILLARD, P. & LUCAS, A., 1969. Flora of the Melville Koppies Nature Reserve. Part 1. Springflowers and grasses. Johannesburg: Council for Natural History. pp. 17.

- MACNAE, W., 1957a. The ecology of the plants and animals in the intertidal regions of Zwartkops estuary near Port Elizabeth, South Africa. Part 1. J. Ecol. 45: 113-131.
- MACNAE, W., 1957b. The ecology of the plants and animals in the intertidal regions of the Zwartkops estuary near Port Elizabeth, South Africa. Part 2. J. Ecol. 45: 361-387.
- MACNAE, W., 1962. The fauna and flora of the eastern coast of Southern Africa in relation to ocean currents. S. Afr. J. Sci. 58: 208-212.
- MACNAE, W., 1963. Mangrove swamps in South Africa. J. Ecol. 51: 1-25.
- MACNAE, W. & KALK, M., 1958. A natural history of Inhaca Island, Mocambique. Johannesburg: Witwatersrand University Press. pp. 163.
- MACNAE, W. & KALK, M., 1962a. The ecology of the mangrove swamps at Inhaca Island, Mocambique. J. Ecol. 50: 19-34.
- MACNAE, W. & KALK, M., 1962b. The fauna and flora of the sand flats at Inhaca Island, Mocambique. J. Anim. Ecol. 31: 93-128.
- MACOWAN, P., 1869. Notulae capenses. J. Linn. Soc., (Bot.) 10: 480-482.
- MACOWAN, P., 1886. Personalia of botanical collectors at the Cape. Trans. S. Afr. phil. Soc. 4: 30-53.
- MACOWAN, P., 1889. New Cape plants. J. Linn. Soc. (Bot.) 25: 385-394.
- MACOWAN, P. & BOLUS, H., 1881. Novitates capenses: description of new plants from the Cape of Good Hope. J. Linn Soc. (Bot.) 18: 390-397.
- MACVICAR, C.N., 1962. Soil studies in the Tugela Basin. Ph.D. thesis, University of Natal.
- MACVICAR, C.N., 1965a. The climate factor in soil genesis illustrated by climosequences in the Natal midlands. S. Afr. J. agric. Sci. 8: 681-689.
- MACVICAR, C.N., 1965b. The constitution and genesis of four soil series from dolerite in the Natal midlands S. Afr. J. agric. Sci. 8: 979-990.
- MACVICAR, C.N., 1970. A note on the ecology of soils. S. Afr. J. Sci. 66: 187-191.
- MACVICAR, C.N. & LOXTON, R.F., 1967. Soils of the Langkloof. Tech. Common. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 59, pp. 36.
- MACVICAR, C.N., LOXTON, R.F. & VAN DER EYK, J.J., 1965. South African soils series-a provisional classification. Soils Research Institute Report 108/64, Department of Agricultural Technical Services, Pretoria.
- MACVICAR, C.N. & PERFECT, G.A., 1971. The soils of the eastern Transvaal sugar industry. Proc. 45th Ann. Cong. of the S. Afr. Sug. Technol. Ass., pp. 189-195.
- MAGADZA, C.H.D., 1970. A preliminary survey of the vegetation of the shore of Lake Kariba. Kirkia 7: 253-268.
- MAHESHWARI, J.K., 1971. The baobab tree: disjunctive distribution and conservation. Biol. Conserv. 4: 57-60.
- MALASSE, F.P., 1974. Phenology of the Zambesian woodland area with emphasis on the miombo ecosystem. In Leith, H. (ed.), Phenology and seasonality modelling. New York: Chapman & Hall.
- MALAN, J.S. & OWEN SMITH, G.L., 1974. The ethnobotany of Kaokoland. Cimbebasia Ser. B 2: 131-178.
- MALAN, O.G., 1973. To assess the value of satellite imagery in resource evaluation on a national scale. Pretoria: CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 138.
- MALAN, O.G., MACVICAR, C.N., EDWARDS, D., TEMPERLEY, B.N. & CLAASEN, L., 1973. The value of ERTS-I imagery in resource inventorisation on a national scale in South Africa. Third earth resources technology satellite-I symposium. Technical presentations 1B.
- MALAN, W.L., 1960. Survey of the Vaal Dam catchment area, Part 1: The chemical composition of the main tributaries. CSIR Res. Rep. 166, pp. 31.
- MALAN, W.M., 1962. The pollution of ground-water. CSIR Special Report W 15, Pretoria, pp. 41.
- MALHERBE, C.E., 1962. Die invloed van bemesting op *Setaria sphacelata*. M.Sc. (Agric.) thesis, University of Pretoria.
- MALHERBE, C.E., 1969. Influence of nitrogenous and phosphatic fertilizers on *Setaria sphacelata* in South Africa. J. Brit. Grassld Soc. 24: 45-49.
- MALHERBE, C.E., 1972. Defoliation by mechanical means of the north-eastern sandy Highveld: influence of defoliation by mowing during different fixed seasons of the year and combinations thereof. Agric. Res., Pretoria, pp. 176.
- MALHERBE, E.G., 1938. European and Native in relation to the problems of deterioration and conservation of natural resources, and features of scientific interest in South Africa. S. Afr. J. Sci. 35: 45-50.
- MALHERBE, H.L., 1968a. Afforestation and water supplies in South Africa. Pretoria: Department of Forestry.
- MALHERBE, H.L., 1968b. Bosboupotensiaal in opvanggebiede. S. Afr. For. J. 66: 12-17.
- MANN, R.J., 1859. The colony of Natal. London: Jarrold.
- MAPPLEDORAM, B. & THERON, E.P., 1970. Notas oor die relatiewe voortreflikheid van vier kultivars van *Eragrostis curvula* in Natal. Proc. Grassld Soc. sth. Afr. 5: 121-125.
- MAPPLEDORAM, B.D. & THERON, E.P., 1972. Notas oor die aanpassingsvermoe van verskeie tropiese peulplante in verskillende omgewings in Natal. Proc. Grassld Soc. sth. Afr. 7: 84-86.
- MARAI, A., 1937. Improvement of Renosterbos veld. Fmg S. Afr. 12: 452-460.
- MARAI, P.G. & FOURIE, S., 1959. Radiation effects on the growth and phosphorus uptake of plants grown in soil treated with P<sup>32</sup>. S. Afr. J. agric. Sci. 2: 3-18.
- MARASAS, W.F.O., 1973. Collection and naming of South African fungi. Agric. Res., Pretoria, pp. 32.
- MARCHAND, B. DE C., 1923. Representative Transvaal soils. Highveld sandy soils. J. Dep. Agric. Un. S. Afr. No. 7, pp. 82.
- MARCHAND, B. DE C., 1924. The origin of black turf soils in the Transvaal. S. Afr. J. Sci. 21: 162.
- MARCHAND, B. DE C., 1925. Soil formation and classification. S. Afr. J. Sci. 22: 42.
- MARITZ, S., 1925. Investigation of the evergreen or deciduous habit of South African trees and their distribution. M.Sc. thesis, University of South Africa.
- MARKOTTER, E.I., 1930. 'n Plantegeografiese skets en die flora van Witzieshoek, O.V.S., Oliviershockpas, Natal en Koolhoek, O.V.S. Annale Univ. Stellenbosch serie A 8, 1: 1-50.
- MARLOTH, B., 1887. Das sud-ostliche Kalahari-Gebiet. Bot. Jb. 8: 247-260.
- MARLOTH, R., 1890. Some adaptations of South African plants to the climate. Trans. S. Afr. phil. Soc. 6: 31-38.
- MARLOTH, R., 1895. On the means of the distribution of seeds in the South African flora. Trans. S. Afr. phil. Soc. 7: 74-78.
- MARLOTH, R., 1896. Some scientific results of an excursion to the Hex River Mountains. Trans. S. Afr. phil. Soc. 8: 86-92.
- MARLOTH, R., 1902. Notes on the occurrence of alpine types in the vegetation of the higher peaks of the south-western region of the Cape. Trans. S. Afr. phil. Soc. 11: 161-168.
- MARLOTH, R., 1903. The historical development of the geographical botany of Southern Africa. Rep. S. Afr. Ass. Advmt Sci. 1: 251-257.
- MARLOTH, R., 1904a. Notes on the vegetation of Southern Rhodesia. Rep. S. Afr. Ass. Advmt Sci. 2: 300-307.
- MARLOTH, R., 1904b. Results of experiments on Table Mountain for ascertaining the amount of moisture deposited from the south-east clouds. Trans. S. Afr. phil. Soc. 14: 403-408.
- MARLOTH, R., 1906. The phytogeographic subdivisions of South Africa. Rep. Br. Ass. Advmt Sci. 4: 589-590.
- MARLOTH, R., 1907a. On some aspects in the vegetation of South Africa which are due to the prevailing winds. Rep. S. Afr. Ass. Advmt Sci. 3: 215-218.
- MARLOTH, R., 1907b. Results of further experiments on Table Mountain for ascertaining the amount of moisture deposited from the south-east clouds. Trans. S. Afr. phil. Soc. 16: 97-105.
- MARLOTH, R., 1908. Some observations on the entomophilous flowers. Rep. S. Afr. Ass. Advmt Sci. 5: 110-113.
- MARLOTH, R., 1909. The plant formations of the Cape Province. S. Afr. J. Sci. 6: 246-251.
- MARLOTH, R., 1910a. Notes on the absorption of water by aerial organs of plants. Trans. R. Soc. S. Afr. 1: 429-433.
- MARLOTH, R., 1910b. The vegetation of the southern Namib. S. Afr. J. Sci. 7: 80-87.

- MARLOTH, R., 1913. The flora of South Africa. Vol. 1. Thallophyta. Bryophyta. Pteridophyta. Gymnospermae. Dicotyledones, part 1. Cape Town: Darter. pp. 264.
- MARLOTH, R., 1915a. The effects of droughts and of some other causes on the distribution of plants in the Cape region. S. Afr. J. Sci. 12: 383-390.
- MARLOTH, R., 1915b. The flora of South Africa. Vol. 4. Monocotyledones. Cape Town: Darter. pp. 208.
- MARLOTH, R., 1915c. Note on the entomophilous nature of *Encephalartos*. Trans. R. Soc. S. Afr. 4: 69-71.
- MARLOTH, R., 1917. Dictionary of the common names of plants: with a list of foreign plants cultivated in the open. Cape Town: Speciality Press. pp. 175.
- MARLOTH, R., 1924a. Notes on the question of veld burning. S. Afr. J. Sci. 21: 342-345.
- MARLOTH, R., 1924b. Observations on the Cape flora. S. Afr. J. nat. Hist. 4: 334-344.
- MARLOTH, R., 1924c. Stone shaped plants. S. Afr. J. nat. Hist. 6: 273-280.
- MARLOTH, R., 1925. The Flora of South Africa. Vol. 2. Dicotyledones, part 2. Section 1 and 2. Cape Town: Darter. pp. 272.
- MARLOTH, R., 1929. Remarks on the realm of the Cape flora. S. Afr. J. Sci. 26: 154-159.
- MARLOTH, R., 1932. The Flora of South Africa. Vol. 3. Dicotyledones, part 3. Section 1 and 2. Cape Town: Darter. pp. 349.
- MARQUIS OF GRAHAM & HALL, T.D., 1933. Pasture investigations in Southern Rhodesia. S. Afr. J. Sci. 30: 288-306.
- MARR, R.S., 1962. The genus *Lantana* with special reference to *Lantana camara*. Botanical Research Institute library, Pretoria. pp. 74.
- MARSHALL, B.E. & FALCONER, A.C., 1973a. Physico-chemical aspects of Lake Mcllwaine (Rhodesia). A eutrophic tropical impoundment. Hydrobiologia 42: 45-62.
- MARSHALL, B.E. & FALCONER, A.C., 1973b. Eutrophication of a tropical African impoundment (Lake Mcllwaine, Rhodesia). Hydrobiologia 43: 109-123.
- MARTIN, A.R.H., 1960a. The ecology of Groenvlei, a South African Fen. 1. The primary communities. J. Ecol. 48: 55-71.
- MARTIN, A.R.H., 1960b. The ecology of Groenvlei, a South African Fen. 2. The secondary communities. J. Ecol. 48: 307-229.
- MARTIN, A.R.H., 1962. Evidence relating to the Quaternary history of the Wilderness Lakes. Trans. geol. Soc. S. Afr. 65: 19.
- MARTIN, A.R.H., 1965. Plant ecology of the Grahamstown Nature Reserve. 1. Primary communities and plant succession. J. S. Afr. Bot. 31: 1-54.
- MARTIN, A.R.H., 1966. The plant ecology of the Grahamstown Nature Reserve. 2. Some effects of burning. J. S. Afr. Bot. 32: 1-39.
- MARTIN, A.R.H. & NOEL, A.R.A., 1960. The flora of Albany and Bathurst. Grahamstown: Rhodes University. pp. 128.
- MARTIN, H., 1961. Hydrology and water balance of some regions covered by Kalahari sands in South West Africa. CSA/CCTA Publs No. 66, pp. 450-455.
- MARTIN, J.D., 1932. The makushi forests of Northern Rhodesia. Bull. Dep. Agric. Nth. Rhod. 2: 71-76.
- MARTIN, J.D., 1940. The *Baikiaea* Forests of Northern Rhodesia. Emp. For. J. 19: 8-18.
- MARTIN, J.D., 1941. Report on forestry in Barotseland. Lusaka: Government Printer.
- MARTIN, P.M.D., 1960. A study of certain members of the South African Xylariaceae with reference to the use of cultural characters in classification. M.Sc. thesis, Rhodes University.
- MARTINEAU, R.A.S., 1953. Rhodesian wild flowers. London: Longmans. pp. 100.
- MASON, D., 1956. Evils of grass burning dramatically illustrated. (Pietermaritzburg). Farmer's Weekly, Bloemfontein, 6 June. pp. 23.
- MASON, H., 1972. Western Cape Sandveld flowers. Cape Town: Struik.
- MASSON, F., 1776. An account of three journeys from Cape Town into the southern parts of Africa. Phil. Trans. R. Soc. 66: 268-317.
- MATHESON, M., 1938. A comparison of various field ecological light measuring instruments and a further contribution to our knowledge of the Eder Hecht Photometer and the Livingston Radio Atmometer. S. Afr. J. Sci. 35: 263-273.
- MATHESON, M., 1939. An ecological study of light and temperature relations in typical "purple" veld of the Highveld: a critique of methods. S. Afr. J. Sci. 36: 257-264.
- MATTHEWS, P.E., 1969. Diversion of water to the upper region of the Tugela Basin. Report 16. Natal Town & Regional Planning Commission. Pietermaritzburg.
- MATTICK, F., 1970. Flechten bestände der Nebelwüste und wonderflechten der Namib. Namib und Meer 1: 35-43.
- MAUD, R.R., 1965. Laterite and lateritic soil in coastal Natal, South Africa. J. Soil Sci. 16,1: 60-72.
- MAUD, R.R., 1968. Quaternary geomorphology and soil formation in coastal Natal. Ann. Geomorphol. 7: 155-199.
- MAUFE, H.B., 1914. Rhodesian soils and their origin. Proc. Trans. Rhod. scient. Ass. 14: 15.
- MAUFE, H.B., 1928. On the formation of red soil and of black vlei soil from dolerite at Salisbury, Southern Rhodesia. S. Afr. J. Sci. 25: 156-167.
- MAUFE, H.B., 1933. Chemical analyses of natural springs in Rhodesia. Rhod. Geol. Surv. Bull. 23.
- MAUVE, A.A., 1965. The South African species of *Potamogeton*. News Lett. Limnol. Soc. sth. Afr. 2,1: 27-35.
- MAUVE, A.A., 1966. Blomdraende waterplante in Suid-Afrika. Fauna Flora, Pretoria 17: 19-25.
- MAUVE, A.A., 1967. Waterlilies in Suid-Afrika. Fauna Flora, Pretoria 18: 31-35.
- MAZOR, E., VERHAGEN, B.T.H., SELLSCHOP, J.P.F., JONES, M.J., ROBINS, N.E., HUTTON, L. & JENNINGS, C.M.H., n.d. Northern Kalahari groundwaters: hydrological, isotopic and chemical studies at Orapa, Botswana. J. Hydrol. 34,3-4: 203-234.
- MCALLISTER, H.J., 1967. A quantitative faecal analytical investigation of the grazing preferences of impala (*Aepyceros m. melampus* Licht). M.Sc. thesis, University of Natal. pp. 70.
- MCALLISTER, H.J. & BORNMAN, C.H., 1972. Grazing preferences of impala: quantitative faecal analytical and anatomical evaluation. Trans. R. Soc. S. Afr. 40: 167-185.
- MCCLEAN, A.P.D., 1923. The water requirements and transpiration of a common Natal weed, *Bidens pilosa* L. M.Sc. thesis, University of South Africa.
- MCCLOUNIE, J., 1896. Cedar tree of Mount Manje. Bull. misc. Inf. R. bot. Gdns, Kew, pp. 216-217.
- MCDOWELL, B., 1914. Jottings on a traverse from Tsessebi to Makarikari. Proc. Trans. Rhod. scient. Ass. 13,3: 43-48.
- MC GEE, O.S., 1970. Wind and humidity conditions over Durban during 1967. S. Afr. geogr. J. 52: 44-57.
- MCGINNIES, W.G., GOLDMAN, B.J. & PAYLOR, P., 1968. Deserts of the world. An appraisal of research into their physical and biological environments. Tucson: University of Arizona Press. pp. 788.
- MCGUIRE, L.P., 1922. The measurement of light intensities in South Africa with special reference to plant habitats. M.Sc. thesis, University of South Africa.
- MCILROY, R.J., 1964. An introduction to tropical grassland husbandry. London: Oxford University Press. pp. 128.
- MCKAY, A.D., 1965a. The conditions of the catchment area of rivers and streams feeding Lake St Lucia, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MCKAY, A.D., 1965b. The factors influencing the movement of silt in the catchment area of the rivers and streams feeding Lake St Lucia, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MCKAY, A.D., 1968. Rangeland productivity in Botswana. E. Afr. agric. For. J. 34: 178-193.
- MCKAY, H., 1937. William John Burchell: notes on his Catalogus Geographicus and herbarium of South African plants. S. Afr. J. Sci. 33: 346-350.
- MCKEN, M.J., 1869. The ferns of Natal. Pietermaritzburg: Davis. pp. 26.
- MCLACHLAN, A.J., 1969. The effect of aquatic macrophytes on the variety and abundance of benthic fauna in a newly created lake in the tropics (Lake Kariba). Arch. Hydrobiol. 66: 212-231.

- MCLACHLAN, A.J., 1970. Submerged trees as a substrate for benthic fauna in the recently created Lake Kariba (central Africa). *J. appl. Ecol.* 7: 253-266.
- MCLACHLAN, A.J., 1974. Recovery of the mud substrate and its associated fauna following a dry phase in a tropical lake. *Limnol. Oceanogr.* 19: 74-83.
- MCLACHLAN, A.J. & MCLACHLAN, S.M., 1971. Benthic fauna and sediments in the newly created Lake Kariba (central Africa). *Ecology* 42:52: 800-809.
- MCLACHLAN, A.J., MORGAN, P.R., HOWARD-WILLIAMS, C., MCLACHLAN, S.M. & BOURN, D., 1972. Aspects of the recovery of a saline African lake following a dry period. *Arch. Hydrobiol.* 70: 325-340.
- MCLACHLAN, S.M., 1971. The rate of nutrient release from grass and dung following immersion in lake water. *Hydrobiologia* 37: 521-530.
- MEEUSE, A.D.J., 1958. A possible case of interdependence between a mammal and a high plant. *Archs neerl. Zool.* 13: 314-318.
- MEGGARS, B.J., AYENSU, E.S. & DUCKWORTH, W.D., (eds), 1973. Tropical forest ecosystems in Africa and South America: a comparative review. Washington Smithsonian Institution, pp. 350.
- MEIDNER, H.A., 1950. A dial instrument for the continuous determination of leaf turgor changes in the field. M.Sc. thesis, University of Natal.
- MEIDNER, H.A., 1952. An instrument for measuring changes in leaf thickness. *S. Afr. J. Sci.* 48: 210-211.
- MEIDNER, H.A., 1955. Studies of leaf water relations. Ph.D. thesis, University of Natal.
- MEIKLEJOHN, J., 1965. Microbiological studies on large termite mounds. *Rhod. Zambia & Malawi J. Agric. Res.* 3:2: 67-79.
- MEIKLEJOHN, J., 1968a. Nitrogen-fixers-Pseudomonads and other aerobic bacteria from Rhodesian soils. *J. gen. Microbiol.* 50: 487-496.
- MEIKLEJOHN, J., 1968b. Numbers of nitrifying bacteria in some Rhodesian soils under natural grass and improved pastures. *J. appl. Ecol.* 5: 291-300.
- MEISNER, K.F., 1842. Contributions towards a flora of South Africa. Hooker, Lond. J. Bot. 1: 459-476.
- MEISNER, K.F., 1843. Contributions towards a flora of South Africa. Hooker, Lond. J. Bot. 2: 53-105 & 527-559.
- MEISSNER, R., 1964. Gifblaar meets its match. *Fmg S. Afr.* 40:9: 45-49.
- MENDES, E.J., 1962. Preliminary report on a botanical journey to the Bie-Cuando-Cubango district, Angola, 1959-1960. In *Comptes Rendus de la 4e Reunion Pleniére de L'association pour L'etude Taxonomique de la Flore de l'Afrique tropicale (AETFAT)*, 16-23 Sept. 1960, pp. 333-336. Libonne et Coimbre.
- MENDONCA, F.A., 1953. The vegetation of Mozambique. *Lejeunia* 16: 127-135.
- MENDONCA, F.A., 1961. Indices fitocorotogicos da vegetacao de Angola. *Garcia de Orta* 9: 479-483.
- MENDONCA, F.A., 1962. Botanical collectors in Angola. In *Comptes Rendus de la 4e Reunion Pleniére de L'association pour L'etude Taxonomique de la Flore de l'Afrique Tropicale (AETFAT)*, 16-23 Sept. 1960, pp. 111-121. Libonne et Coimbre.
- MENTIS, M.T., MEIKLEJOHN, M.J. & SCOTCHER, J.S.B., 1974. Veld burning in Giant's Castle Game Reserve. *Proc. Grassld Soc. sth. Afr.* 9: 26-31.
- MEREDITH, D., 1943. Towards a national pastoral policy. *S. Afr. J. Sci.* 40: 37-56.
- MEREDITH, D., 1947. The effect of fertilizers on grasses in certain areas of South Africa with special reference to nitrogen. Johannesburg: African Explosives & Chemical Industries, Agricultural Advisory Section.
- MEREDITH, D. (ed.), 1955. The grasses and pastures of South Africa. Johannesburg: Central News Agency, pp. 757.
- MEREDITH, D. & ROSE, C.J., 1955. Grasslands in South African agriculture. In Meredith, D. (ed.), The grasses and pastures of South Africa 2: 531-538. Johannesburg: Central News Agency.
- MERXMULLER, H., 1971. The flora of South West Africa. *Mitt. bot. StSamml., Münch.* 10: 75.
- MES, M.G., 1952. The influence of some climatic factors on the growth and seed production of grasses. In *Veld gold: a South African book of grassland farming*, pp. 35-51. Johannesburg: National Veld Trust.
- MES, M.G., 1953. Excretion (recretion) of phosphorus and other mineral elements by leaves under the influence of rain. *S. Afr. J. Sci.* 50: 167-172.
- MES, M.G., 1957. Effects of veld burning on grass. *Farmer's Weekly, Bloemfontein*, 10 July p. 28.
- MES, M.G., 1958. The influence of veld burning and mowing on the water, nitrogen and ash content of grasses. *S. Afr. J. Sci.* 54: 83-86.
- MES, M.G., 1959. The influence of night temperature and day length on the growth, nodulation, nitrogen assimilation and flowering of *Stizolobium deeringianum* (Velvet Bean). *S. Afr. J. Sci.* 55: 35-38.
- MES, M.G. & AYMER-AINSLIE, K.M., 1935. Studies on the water relations of grasses. 1. *Themeda triandra* Forssk. *S. Afr. J. Sci.* 32: 280-304.
- MES, M.G. & BOT, G.M., 1938. Studies on the water relations of grasses. 2. Correlations between sugar content and daily variations in water content of the leaves of *Themeda triandra* Forssk. *S. Afr. J. Sci.* 35: 305-316.
- MES, M.G. & DE VILLIERS, E., 1944. The "Gousiekte bossie". A study of the morphology, physiology and eradication of *Pachystigma pygmaeum* (Schltr.) Robyns. *Bull. Dep. Agric. For. Un. S. Afr.* No. 245, pp. 52.
- MES, M.G., SAUBERT-VON HAUSEN, S. & VAN GYLS-WYK, N.D., 1956. A comparative study of the growth and yield of a number of *Crotalaria* species suitable for green manuring. *S. Afr. J. Sci.* 53: 181-189.
- METELERKAMP, H.R.R. & THOMPSON, J.G., 1967. Soil studies and irrigation. *Rhodesia agric. J.* 64:4: 79.
- MEYBURGH, J.C. & WICHT, C.L., 1966. The inclination and bearing of rainfall estimated with vectopluiometers at Jonkershoek. *For. S. Afr.* 7: 71-90.
- MEYER, E.H.F., 1837. *Commentarium de plantis Africae australioris*. Leipzig: Voss, pp. 326.
- MEYER, E.H.F., 1873. On the geographical distribution of plants in South Africa. *Cape Monthly Magazine* 2nd Series. 7: 193-199, 281-290 & 339-347.
- MEYER, G.F., 1955. The genus *Valeriana* in east, tropical and South Africa. *J. Linn. Soc. (Bot.)* 55: 761-771.
- MEYER, P.G. 1957. Beitrag zur kenntnis der Acanthaceen Sudwestafrikas. *Mitt. bot. StSamml. Münch.* 3: 605-609.
- MEYER, P.G., 1969. Einführung in die Pflanzenwelt Sudwestafrikas. Windhoek: SWA Wissenschaftliches Gesellschaft, pp 157.
- MICHELL, M.R., 1922. Some observations on the effects of a bush fire on the vegetation of Signal Hill. *Trans. R. Soc. S. Afr.* 10: 213-232.
- MICHELMORE, A.P.G., 1939. Observations on tropical African grasslands. *J. Ecol.* 27: 282-312.
- MIDDELTON, E.A., 1961. Suspended silt loads in the Tugela River. *Civ. Engr S. Afr.* 3,12: 1-8.
- MIDDLEMISS, F., 1963. The distribution of *Acacia cyclops* in the Cape Peninsula area by birds and other animals. *S. Afr. J. Sci.* 59: 419-420.
- MIDGLEY, D.C., 1971. Appraisal and management of water resources in South Africa. *S. Afr. J. Sci.* 67: 210-217.
- MIDGLEY, D.C., 1972. Memorandum on Mkuze Swamps Management (Mkuze Channel). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MIDGLEY, D.C. & PITMAN, W.V., 1969. Surface water resources of South Africa. *Hydrobiological Research Unit Report* 2/69, University of the Witwatersrand, Johannesburg.
- MILDBRAED, J., 1942. Beitrage zur flora von Deutsch Sudwestafrika. *Notizbl. bot. Gart. Mus. Berl.* 15: 448-471, 633-634 & 757-761.
- MILLARD, N.A.H. & BROEKHUYSEN, G.J., 1966. Report on a biological survey of the St Lucia Lake system. In *Report of the Commission of Inquiry into the alleged threat to animal and plant life in St Lucia Lake 1964-1966*, pp. 305-321. Pretoria: Government Printer.
- MILLARD, N.A.H. & BROEKHUYSEN, G.J., 1970. The ecology of South African estuaries, part 10. St Lucia: second report. *Zool. Afr.* 5:2: 277-308.
- MILLARD, N.A.H. & HARRISON, A.D., 1951. The ecology of South African estuaries, part 5. Richards Bay. *Trans. R. Soc. S. Afr.* 34: 157-179.

- MILLARD, N.A.H. & SCOTT, K.M.F., 1954. The ecology of South African estuaries, part 6. Milnerton estuary and the Diep River, Cape. Trans. R. Soc. S. Afr. 34: 279-324.
- MILLER, O.B., 1922. Notes on the distribution of species in natural forests of the Transkeian Conservancy. S. Afr. J. nat. Hist. 3: 20-23.
- MILLER, O.B., 1926. Mangroves at Sordwana Bay, Northern Zululand. S. Afr. J. nat. Hist. 6: 54-55.
- MILLER, O.B., 1939. The Mukusi forest of Bechuanaland Protectorate. Emp. For. J. 18: 193-201.
- MILLER, O.B., 1946. Southern Kalahari. Emp. For. Rev. 25: 225-229.
- MILLER, O.B., 1948. Check-list of the forest trees and shrubs of the British Empire. No. 6. Bechuanaland Protectorate. Oxford: Scrivener Press. pp. 77.
- MILLER, O.B., 1949. Flowering periodicity in some woody plants of the Southern Bechuanaland Protectorate. JI S. Afr. Bot. 15: 49-58.
- MILLER, O.B., 1952. The woody plants of the Bechuanaland Protectorate. JI S. Afr. Bot. 18: 1-100.
- MILLER, O.B., 1953. Addenda et corrigenda to the woody plants of the Bechuanaland Protectorate. JI S. Afr. Bot. 19: 177-182.
- MILLER, P.M., 1966. An objective survey of plant communities in four catchments in the Highland Sourveld. M.Sc. (Agric.) thesis, University of Natal.
- MILLER, P.M. & BOOYSEN, P. DE V., 1968. The delineation of plant communities in relatively homogeneous grassland. Proc. Grassld Soc. sth. Afr. 3: 43-50.
- MILLER, R.G., 1952. A girth increment study in *Baikiaea plurijuga* in Northern Rhodesia with reference to the determination of age and rotations for species without annual growth rings in irregular natural forest. Emp. For. Rev. 31: 45-52.
- MILLS, P.F.L., 1964. Effects of fertilizer on the botanical composition of veld grassland at the Matopos. Rhodesia agric. J. 61: 91-93.
- MILLS, P.F.L., 1968. Effects of fertilizers on the yield and quality of veld grassland in the dry season. Rhod. J. agric. Res. 6: 27-39.
- MILLS, W., 1955. Grasveld-sege in Amatolaberge. Veldtrust 5,6: 8-9.
- MILSTEIN, P. LE S., 1974. The biology of Barberspan, with special reference to the avifauna. Ostrich suppl. 10, pp. 74.
- MITCHELL, A.D., 1961. Random notes on stinkwood (*Ocotea bullata*). JI S. Afr. For. Ass. No. 36, pp. 11-13.
- MITCHELL, B.L., 1961. Ecological aspects of game control measures in African wilderness and forested areas. Kirikia 1: 120-129.
- MITCHELL, B.L., 1962. Some notes of the vegetation of a portion of Wankie National Park. Kirikia 2: 200-209.
- MITCHELL, B.L., 1963. A first list of plants collected in the Kafue National Park. Puku 1: 75-191.
- MITCHELL, D.S., 1967. *Salvinia auriculata* in the estuaries of Lake Kariba. In Proceedings of the 1st Rhodesian Sci. Congress. pp. 64, Bulawayo.
- MITCHELL, D.S., 1969. The ecology of vascular hydrophytes on Lake Kariba. Hydrobiologia 34: 448-464.
- MITCHELL, D.S., 1970. Autecological studies of *Salvinia auriculata* Aubl. Ph.D. thesis, University of London. pp. 669.
- MITCHELL, D.S., 1971. Factors influencing the explosive growth of floating aquatic weeds in tropical areas. Rhod. Sci. News 5: 17-19.
- MITCHELL, D.S., 1972. The Kariba weed: *Salvinia molesta*. Fern Gaz. 10,5: 251-252.
- MITCHELL, D.S., 1973a. Aquatic weeds in man-made lakes. In Ackermann, W.C., White, G.F. & Worthington, E.B. (eds), Man-made lakes: their problems and environmental effects, pp. 606-611. Washington: Amer. Geophys. Union.
- MITCHELL, D.S., 1973b. Supply of plant nutrient chemicals in Lake Kariba. In Ackerman, W.C., White, G.F. & Worthington, E.B. (eds), Man-made lakes: their problems and environmental effects. pp. 165-169. Washington: Amer. Geophys. Union.
- MITCHELL, D.S., 1974a. Environmental management in relation to aquatic weed problem. In Mitchell, D.S. (ed.), Aquatic vegetation and its use and control, pp.57-71. Paris: UNESCO.
- MITCHELL, D.S. (ed.), 1974b. Aquatic vegetation and its use and control. Paris: UNESCO.
- MITCHELL, D.S. & MARSHALL, B.E., 1974. Hydrobiological observations on three Rhodesian reservoirs. Freshwat. Biol. 4: 61-72.
- MITCHELL, D.S. & TUR, N.M., 1975. The rate of growth of *Salvinia molesta* (S. *auriculata* Aubl.) in laboratory and natural conditions. J. appl. Ecol. 12: 213-225.
- MITCHELL, D.T., 1970. Fungus succession on dung of South African ostrich and angora goat. JI S. Afr. Bot. 36: 191-198.
- MITTEN, W., 1878. List of Hepaticae collected by the Rev. A.E. Eaton at the Cape of Good Hope (August and September 1874). J. Linn. Soc. (Bot.) 16: 187-196.
- MOEBIUS, F., 1936. Untersuchungen uber einige Sudwestafrikanische Futtergrasser und futterkrauter. Tropenpflanzer 39: 319-330.
- MOGG, A.O.D., 1921. A method of veld estimation. S. Afr. J. Sci. 17: 222-226.
- MOGG, A.O.D., 1929a. The flora of the Vryburg district in relation to the geology. 15th Int. Geol. Congr. 2: 638-650.
- MOGG, A.O.D., 1929b. A preliminary account of the flora of Pretoria in relation to the geology. 15th Int. Geol. Congr. 2: 651-669.
- MOGG, A.O.D., 1929c. Vlei poisoning. Part 2. Ecology. Rep. vet. Res. Un. S. Afr. No. 15, pp. 815-830.
- MOGG, A.O.D., 1930. An autecological note on the poisonous "Gifblaar" *Dichapetalum cymosum* (Hook.) Engl. S. Afr. J. Sci. 27: 368-375.
- MOGG, A.O.D., 1955. A preliminary note on the woody plants of the Witwatersrand region in relation to the geology and physiography. S. Afr. J. Sci. 51: 301-308.
- MOGG, A.O.D., 1956. The Wonderboom: botanical and historical features. Fauna Flora, Pretoria 7: 23-33.
- MOGG, A.O.D., 1961. The trees, shrubs and woody herbs of the Witwatersrand region in relation to the geology and physiography. Ph.D. thesis, University of the Witwatersrand. pp. 99.
- MOGG, A.O.D., 1963. A preliminary investigation of the significance of salinity in the zonation of species in salt-marsh and mangrove swamp associations. S. Afr. J. Sci. 59: 81-86.
- MOGG, A.O.D., 1975. Important plants of Sterkfontein. Johannesburg: University of the Witwatersrand. pp. 178.
- MOGG, A.O.D. & BADENHUIZEN, N.P., 1958. The Melville koppies, past, present and future. Trees S. Afr. 9: 74-79.
- MOISEL, L., 1971. Beobachtungen an einigen Namibpflanzen und ihrer Wasserversorgung. Namib und Meer 2: 65-75.
- MOLL, E.J., 1965. An account of the plant ecology of the Upper Mgeni catchment. M.Sc. thesis, University of Natal.
- MOLL, E.J., 1967a. Forest trees of Natal - a field guide to 200 species. Durban: Wildlife Protection & Conservation Society of South Africa.
- MOLL, E.J., 1967b. "Morton Bush", superb remnant of Karkloof. Natal Wildlife 8:2-3.
- MOLL, E.J., 1968a. A quantitative ecological investigation of the Krantzklou Forest, Natal. JI S. Afr. Bot. 34: 15-25.
- MOLL, E.J., 1968b. An account of the plant ecology of the Hawaan Forest. JI S. Afr. Bot. 34: 61-76.
- MOLL, E.J., 1968c. A plant ecological reconnaissance of the upper Mgeni catchment. JI S. Afr. Bot. 34: 401-420.
- MOLL, E.J., 1968d. Some notes on the vegetation of Mkuzi Game Reserve, Natal. Lammergeyer 8: 25-30.
- MOLL, E.J., 1968e. A note on the aquatic vegetation of Midmar Dam, Howick, Natal. Lammergeyer 9: 37-41.
- MOLL, E.J., 1969. An investigation of the plant ecology of the Hawaan Forest, Natal, using an ordination technique. Bothalia 10: 121-128.
- MOLL, E.J., 1970a. St Lucia's Mangroves. Natal Wildlife 11,3: 10-12.
- MOLL, E.J., 1970b. Vegetation studies in the Three Rivers region, Natal. Ph.D. thesis, University of Natal.
- MOLL, E.J., 1972a. A preliminary account of the dune communities at Pennington Park, Mtunzini, Natal. Bothalia 10: 615-626.
- MOLL, E.J., 1972b. The current status of mistbelt mixed *Podocarpus* forest in Natal. Bothalia 10: 595-598.
- MOLL, E.J., 1972c. The distribution, abundance and utilization of the Lala Palm, *Hyphaene natalensis*, in Tongaland, Natal. Bothalia 10: 627-636.

- MOLL, E.J., 1975. Some new and some recent tree records from Natal. *Veld & Flora* 61: 15-19.
- MOLL, E.J. & COOPER, K.H., 1966. Hlogwene Forest, report by the Natal fieldwork section. *Afr. wild Life* 20: 321-326.
- MOLL, E.J. & COOPER, K.H., 1968. Notes on an area of the Karkloof Forest, Natal. *Afr. wild Life* 22: 49-57.
- MOLL, E.J. & HAIGH, H., 1966. A report on the Xumeni Forest. *For. S. Afr.* 7: 99-108.
- MOLL, E.J. & MORRIS, J.W., 1968. Notes on a cycad community and associated vegetation in Natal. *Jl S. Afr. Bot.* 34: 331-343.
- MOLL, E.J. & PIERCE, S.M., 1975. The use of the profile diagram technique as a tool for describing vegetation structure with special reference to the Dwesa Forest, Transkei. *Trees S. Afr.* 27: 2-10.
- MOLL, E.J., WARD, C.J., STEINKE, T.D. & COOPER, K.H., 1971. Our mangroves threatened. *Afr. wild Life* 25: 103-107.
- MOLL, E.J. & WOODS, D.B., 1971. The rate of forest tree growth and a forest ordination at Xumeni, Natal. *Bothalia* 10: 451-460.
- MOND, T., 1971. Remarques sur les symmetries Floristiques des zones seches nord et sud en Afrique. *Mitt. Bot. StSamml. Münch.* 10: 375-423.
- MONTEIRO, M.I., 1963. Segunda contribuicao para o estudo das diatomaceas do Lago Niassa (Mozambique). *Estudos Ensaios, Docum. Jta Invest. Ultramar* 106: 1-108.
- MONTEIRO, R., 1891. Delagoa Bay: its natives and natural history. London. pp. 274.
- MONTEIRO, R.F.R., 1961. Panorama forestier de L'Angola. *Bois Forests Trop.* 75.
- MONTEIRO, R.F.R., 1962. Le Massif Forestier du Mayombe Angolas. *Bois Forests Trop.* 82.
- MONTEIRO, R.F.R., 1965a. Relationship between the forests of the Mayombe and the Dembos. An outline of the principal factors. *Bol. Inst. Invest. Cient. Angola* 1: 257-265.
- MONTEIRO, R.F.R., 1965b. The forests of the Dembos region. *Bol. Inst. Invest. Cient. Angola* 2: 71-81.
- MONTEIRO, R.F.R., 1970. Estudo da flora e da vegetacao das florestas abertas do planalto do Bie. Instituto de Investigacao Cientifica de Angola, Luanda.
- MOOLMAN, J.H., 1946. The Orange River, South Africa. *Geogr. Rev.* 36: 653-674.
- MOON, P., 1964. The Etosha Pan Game Reserve. *Afr. wild Life* 18: 235-239.
- MOORE, S. LE M., 1905. Six new South African plants. *J. Bot., Lond.* 43: 169-173.
- MOREAU, R.E., 1952. Africa since the Mesozoic with particular reference to certain biological problems. *Proc. zool. Soc. Lond.* 121: 869-913.
- MORGAN, A. & KALK, M., 1970. Seasonal changes in the waters of Lake Chilwa (Malawi) in a drying phase, 1966-68. *Hydrobiologia* 36: 81-103.
- MORIARTY, A., 1975. Wild flowers of Malawi. Cape Town: Purnell.
- MORRIS, B., 1965. Epiphytic orchids of the Limbuli stream, Mlanje. *Soc. Malawi J.* 18: 59-70.
- MORRIS, B., 1967. The wild flowers of Mlanje Mountain. Part 2. *Afr. wild Life* 21: 152-157.
- MORRIS, B., 1968a. The epiphytic orchids of Malawi. *Soc. Malawi J.* 21: 1-3.
- MORRIS, B., 1968b. The epiphytic orchids of the Shire Highlands, Malawi. *Proc. Linn. Soc. Lond.* 179: 51-66.
- MORRIS, J., 1945. The Vermeerbos problem in Griqualand West. *Fmg S. Afr.* 19: 591-594.
- MORRIS, J.J., 1940. The steekgras problem. *Fmg S. Afr.* 15: 71-72.
- MORRIS, J.J., 1945. Veld problems in the western Transvaal. *Fmg S. Afr.* 20: 479-484 & 494.
- MORRIS, J.J., 1948. Pasture research work at the Potchefstroom College of Agriculture for the period 1941-1945. *Bull. Dep. Agric. Un. S. Afr.* No. 277, pp. 28.
- MORRIS, J.J., 1955. Komitee se verslag oor herfsbrand. *Landbouweekblad*, Cape Town, 21 June, pp. 25-28.
- MORRIS, J.J., 1958. Veldaangeleenthede en die beweging van wild in die Kalahari-gemsbokpark. *Koedoe* 1: 136-142.
- MORRIS, J.W., 1967. Descriptive and quantitative plant ecology of Ntshongweni, Natal. M.Sc. thesis, University of Natal.
- MORRIS, J.W., 1969. An ordination of the vegetation of Ntshongweni, Natal. *Bothalia* 10: 89-120.
- MORRIS, J.W., 1973a. Land use and vegetational patterns in the south-western Transvaal. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale, CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973 Pretoria, pp. 9-10.
- MORRIS, J.W., 1973b. Automatic classification and ecological profiles of south-western Transvaal Highveld Grassland. Ph.D. thesis, University of Natal.
- MORRIS, J.W. & GUILLERM, J.L., 1974. The ecological profiles technique applied to data from Lichtenburg, South Africa. *Bothalia* 11: 355-364.
- MORRIS, J.W. & MULLER, P.J., 1970. Seasonal variation of grassland basal cover. *Proc. Grassld Soc. sth. Afr.* 5: 145-152.
- MORRIS, P.P.J., 1972. 'n Ekologiese ondersoek van die samestelling en struktuur van verteenoordigende plantgemeenskappe van die Soetbosveld met spesiale aandag aan die invloed van edafiese faktore op die verspreiding van houtagtige spesies. M.Sc. thesis, Potchefstroom University for CHE.
- MORRIS, R., 1967. The wild flowers of Mlanje Mountain. Part 1. *Afr. wild Life* 21: 71-77.
- MORRIS, R.O., 1973. A survey of South Africa's natural waters. *Wat. Pollut. Control* 72: 139-143.
- MOSES, D., 1932. Experiments with improved pastures in the coastal belt. Part 1. *S. Afr. J. Sci.* 29: 376-377.
- MOSES, D., 1934. Experiments with improved pastures in the coastal belt. Part 2. *S. Afr. J. Sci.* 31: 299-314.
- MOSES, D. & DEENIK, Z., 1933. The botanical survey of intensively grazed veld. *S. Afr. J. Sci.* 30: 317-323.
- MOSS, B. & MOSS, J., 1969. Aspects of the limnology of an endorheic African lake (L. Chilwa, Malawi). *Ecology* 50: 109-118.
- MOSS, M., 1937. A preliminary account of the "Sea Grasses" of Delagoa Bay. *S. Afr. J. Sci.* 33: 344-345.
- MOSTERT, J.W.C., 1945. Fisiologiese-ekologiese studies in verband met vier Wes-Transvaalse grassoorte. M.Sc. thesis, Potchefstroom University for CHE.
- MOSTERT, J.W.C., 1953. Establishment of perennial grasses on old lands. *Fmg S. Afr.* 28: 18-20.
- MOSTERT, J.W.C., 1958. Studies of the vegetation of parts of the Bloemfontein and Brandfort districts. *Mem. bot. Surv. S. Afr.* No. 31, pp. 226.
- MOSTERT, J.W.C., 1967. Veld-tipes, probleme en weidingsnavorsing in die Oranje-vrystaatstreek. *Proc. Grassld Soc. sth. Afr.* 2: 31-37.
- MOSTERT, J.W.C. & DONALDSON, C.H., 1956. Veld burning: observations in the central OFS. *Fmg S. Afr.* 32: 34-39.
- MOSTERT, J.W.C. & DONALDSON, C.H., 1959. Rest periods for natural veld essential. *Fmg S. Afr.* 35: 10-13.
- MOSTERT, J.W.C., ROBERTS, B.R., HESLINGA, C.F. & COETZEE, P.G., 1971. Veld management in the OFS Region. *Bull. Dep. agric. tech. Serv. S. Afr.* No. 391, pp. 716.
- MOSTERT, J.W.C., VORSTER, L.F. & DONALDSON, C.H., 1964. Produksiebepalings en die beheer van rooigrasveld met Afrikaansebeeste. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria* No. 32, pp. 11.
- MOUNTAIN, E.D., 1952. The natural history of the Keiskammahoek district. Pietermaritzburg: Shuter & Shooter.
- MOZAMBIQUE, VEGETATION, n.d. *Esboco da Vegetacao*, 1:2000 000. Gomes Pedro, J. & Grandvaux Barbosa, L.A. Provincia de Mocambique; Junta de exportacao do Algodoeira.
- MUIR, J., 1924. The vegetation of the Riversdale area, Cape Province. *S. Afr. J. nat. Hist.* 6: 417.
- MUIR, J., 1929. The vegetation of the Riversdale area, Cape Province. *Mem. bot. Surv. S. Afr.* No. 13, pp. 82.
- MUIR, J., 1932. The beach drift of South Africa. *J. bot. Soc. S. Afr.* 18: 5-9.
- MUIR, J., 1937. The seed drift of South Africa and some influences of ocean currents on the strand vegetation. *Mem. bot. Surv. S. Afr.* No. 16, pp. 108.
- MULDER, G.J., 1972. The soil as basis for agricultural development in the Upper Orange catchment area: the soils of a portion of the Klein Caledon catchment area. *Agric. Res., Pretoria*, pp. 13-15.

- MULLER, P.J., 1963. A stove-point apparatus for vegetation survey and measurement on steep and rockstrewn hillslopes. S. Afr. J. agric. Sci. 6: 339-343.
- MULLER, P.J., WERGER, M.J.A., COETZEE, B.J., EDWARDS, D. & JARMAN, N.G., 1972. An apparatus for facilitating the manual tabulation of phytosociological data. Bothalia 10: 579-581.
- MUNDY, H.G., 1907. The spread of injurious weeds. Transv. agric. J. 5: 939-944.
- MUNRO, C.F.H., 1906. Grasses in Rhodesia. Proc. Trans. Rhod. scient. Ass. 6: 5-18.
- MUNRO, H.K., 1963. Trypetidae (Diptera) associated with the plant *Monechma* (Acanthaceae) in the Kalahari Gemsbok National Park. Koedoe 6: 51-65.
- MUNRO, J.L., 1966. A limnological survey of Lake Mcllwaine, Rhodesia. Hydrobiologia 28: 281-308.
- MURDOCH, G., 1965. Practical value of a soil series classification to agricultural research. Proc. 39th Ann Cong. S. Afr. Sug. Technol. Ass. 39, pp. 242.
- MURRAY, J.M., 1939. An investigation of the interrelationships of the vegetation, soils and termites. S. Afr. J. Sci. 35: 288-297.
- MURRAY, J.M., 1940. Observations on the more important veld grasses of the Pretoria district. Their seasonal variations and the changes brought about by several systems of grazing management. M.Sc. thesis, University of the Witwatersrand.
- MURRAY, J.M., 1945. Pasture problems in the Transvaal transition belt. Fmg S. Afr. 20: 509-513.
- MURRAY, J.M., 1946. A guide to botanical technique for pasture research workers. Pretoria: Department of Agriculture, pp. 30.
- MURRAY, S.M. & GLOVER, P., 1935. A preliminary study of the root development of certain South African highveld grasses. JI S. Afr. Bot. 1: 65-70.
- MUSIL, C.F., 1972. Ecological studies on the aquatic macrophytes of the Pongola River flood plain pans. M.Sc. thesis, University of Natal.
- MUSIL, C.F., 1973. Water plants of Natal - a guide to the important species. Durban: Wildlife Protection and Conservation Society of South Africa.
- MUSIL, C.F., GRUNOW, J.O. & BORNMAN, C.H., 1973. Classification and ordination of aquatic macrophytes in the Pongola River pans, Natal. Bothalia 11: 181-190.
- MYBURGH, R.I.D. M.C.C., 1971. The water projects of the Namib Desert. S. Afr. J. Sci. 67: 152-158.
- MYRE, M., 1949. Necessidade do ordenamento das pastagens. Gazeta Agric. Mocamb. 1,7: 143-149.
- MYRE, M., 1958. Combate as espinhosas nas areas de pastagens. Gazeta Agric. Mocamb. 10, 113: 297-298.
- MYRE, M., 1960. Os principais componentes das pastagens espontaneas do sul do provincia de Mocambique. I. Estudo especie geral floristico-ecologica das espeve pascícolas, endericiando-se as gramineasque xistem na Provincia. Mems Jta Invest. Ultramar Ser 2, 20, pp. 307.
- MYRE, M., 1962. A grassland type of the south of the Mocambique province. In Comptes Rendus de la 4e Reunion Pleniére de L'association pour L'etude Taxonomique de la Flore d' Afrique Tropicale (AETFAT) 16-23 Sept. 1960. Libonne et Coimbre.
- MYRE, M., 1964. A vegetacao do extremo sul da Provincia de Mocambique. Estudos Ensaios Docum. Jta Invest. Ultramar 110: 1-145.
- MYRE, M., 1968a. A preliminary vegetation survey of the district of Lourenco Marques. (Mocambique). Agronomia Mocamb. 2: 9-17.
- MYRE, M., 1968b. Resenha dos trabalos sobre a flora e a vegetazao de Mocambique. Contribuizao para o seu estudo. Agronomia Mocamb. 2: 149-182.
- MYRE, M., 1970. An invasao dos arbustos nas areas de pastagens Primeiras observacoes de uma experiencia em curso. Agronomia Mocamb. 4,2: 115-138.
- MYRE, M., 1971. As pastagens da regio do Maputo. Memoirs Instituto Invesitigacao Agronomica Mocambique 3: 1-181.
- MYRE, M. & ANTAO, L.R., 1972. Reconhecimento pascicola ao Vale do Save. Instituto de Investigacao de Agronomica de Mocambique, Comunicacoes 75: 180.
- NAGEL, J.F., 1955. Fog precipitation on Table Mountain. Q. JI R. met. Soc. 82,354: 452-460.
- NAGEL, J.F., 1959. Fog precipitation at Swakopmund. Newsl. Weath. Bur., Pretoria 125: 1-9.
- NAGEL, J.F., 1962. Fog precipitation measurements on African south-west coast. Notos 11: 51-60.
- NÄNNI, U.W., 1956. Forest hydrological research at the Cathedral Peak research station. JI S. Afr. For. Ass. No. 27, pp. 2-35.
- NÄNNI, U.W., 1959. Base-flow in Cathedral Peak streams. JI S. Afr. For. Ass. No. 33, pp. 7-48.
- NÄNNI, U.W., 1960a. The immediate effects of veldburning on stream flow in Cathedral Peak catchments. JI S. Afr. For. Ass. No. 34, pp. 7-12.
- NÄNNI, U.W., 1960b. Root distortion of young *Pinus patula* trees at Cathedral Peak. JI S. Afr. For. Ass. No. 34, pp. 13-22.
- NÄNNI, U.W., 1963. Forest hydrology in the Drakensberg. JI S. Afr. biol. Soc. 4: 33-35.
- NÄNNI, U.W., 1968a. Report of a visit to St Lucia area, July 1968. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NÄNNI, U.W., 1968b. The effect of forestry practice on runoff. S. Afr. For. J. No. 66, pp. 18-22.
- NÄNNI, U.W., 1969a. Afforestation and water supplies: Maputoland. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NÄNNI, U.W., 1969b. Veld management in the Natal Drakensberg. S. Afr. For. J. No. 68, pp. 5-15.
- NÄNNI, U.W., 1970. Trees, water and perspective. S. Afr. For. J. No. 75, pp. 9-17.
- NÄNNI, U.W., 1971. The Mokobulaan research catchments. S. Afr. For. J. No. 78, pp. 5-13.
- NÄNNI, U.W., 1972. Water use by riparian vegetation at Cathedral Peak. S. Afr. For. J. No. 80, pp. 1-10.
- NÄNNI, U.W., 1974. Veld Management in the proposed Valley of a 1000 Hills Nature Reserve. Proc. Grassld Soc. sth. Afr. 9: 39-44.
- NASH, L.J., BORNMAN, C.H. & HEEG, J., 1972. Physioecology of the Umsinduzi River within the Pietermaritzburg city limits. Trans. R. Soc. S. Afr. 40: 197-208.
- NASH, R.P., 1975. The need for fresh water in St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1948. Map of Cathedral Area. Natal Drakensberg. 1:31 680. Pearse, R.O. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1951. Vegetation map of Catchment 1. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1953. Vegetation Map of Catchment IX. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, DUKU DUKU, MPATE & ST LUCIA, VEGETATION, 1961. A composite map of the southern portions of Duku Duku, Mpate & St Lucia showing excision and all boundaries. 1:24 000. Pretoria: Government Printer.
- NATAL, HLUHLUWE GAME RESERVE, VEGETATION, 1936. Map of Hluhluwe Game Reserve. Prismatic compass survey and vegetation types. 1:32 000. Henkel, J.S. Pretoria, Botanical Research Institute.
- NATAL REGIONAL SURVEY, 1957. Agriculture in Natal. Recent developments. Cape Town: Oxford University Press.
- NATAL, KOSI LAKE SYSTEM, VEGETATION, 1959. Vegetation types of the Kosi Lake System. 1:36 000. Tinley, K.L. Pretoria, Botanical Research Institute.
- NATAL, KILBURN PUMPED STORAGE SCHEME, VEGETATION, n.d. Kilburn Pumped storage scheme. 1:10 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, THREE RIVERS AREA, VEGETATION, 1968. Vegetation map of the Three Rivers Area. 1:253 807. Moll, E.J. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, n.d. Vegetation of the Tugela Basin, Natal. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1962. Vegetation of the Tugela Basin. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.

- NATAL. TUGELA BASIN, VEGETATION, 1967. Vegetation of the Tugela basin, Natal. 1:250 000. Edwards, D. Mem. bot. Surv. S. Afr. No. 36.
- NATAL. VEGETATION, 1943. An agro - ecological map of Natal. 1:1 000 000. Pentz, J.A. Pretoria: Government Printer.
- NATAL. VEGETATION, 1965. Vegetation of the St Lucia Lake Area. 1:39 600. Tinley, K.L. Pretoria, Botanical Research Institute.
- NATIONAL COMMITTEE FOR NATURE CONSERVATION, 1974. Register of permanent conservation areas in South and South West Africa (August 1973). Koedoe 17: 85-119.
- NAUDE, C.P. & SERFONTEIN, 1956. Eradication of *Lantana* and thorn trees. Fmg S. Afr. 21: 360.
- NAUDE, T.J., 1934. Termites in relation to veld destruction and erosion. Bull. Dep. Agric. Un. S. Afr. No. 134, pp. 20.
- NEES AB ESENBECK, C.G.D., 1841. Florae Africae australioris illustrationes monographicae. 1. Gramineae. Glogavia: Prausnitzianis, pp. 490.
- NEETHLING, J.H., 1970. Classification of some forest soils of the southern Cape. M.Sc. thesis, University of Stellenbosch.
- NEL, C.F., 1966. Plantekologiese studie van die Westelike Karoo. M.Sc. (Agric.) thesis, University of Pretoria.
- NEL, G.C., 1947. *Lithops*, plantae succulentae, rarissimae, in terra obscuratae, e familia Aizoaceae, ex Africa australi. Cape Town: University of Stellenbosch, pp. 178.
- NEL, G.C., 1953. The *Gibbaeum* handbook. London: Blandford Press.
- NEL, J.J.C., 1967. Harvester termites ruin our veld. Fmg S. Afr. 43: 42-47.
- NEL, J.J.C. & HEWITT, P.H., 1969. A study of the food eaten by a field population of the harvester termite, *Hodotermes mossambicus* Hagen and its relation to population density. J. ent. Soc. sth. Afr. 32: 123-131.
- NEL, J.W., GRUNOW, J.P., HUGO, W.J., PIENAAR, A.J. & VOSS, H.C., 1964. Die voedingswaarde van *Eragrostis curvula* (Schrud.) Nees in hooi-en weidingsgewas vir skape. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 23, pp. 30.
- NEL, L.T. & FROMMURZE, H.F., 1949. The occurrence, location and exploitation of underground water in South Africa. In Statements and communications of the African Regional Scientific Conference, 17-28 Oct. 1949, Johannesburg, pp. 55-60.
- NEL, P.M., 1965. The breeding of eucalypts in South Africa. S. Afr. For. J. 54: 17-21.
- NESER, C.P., 1929. Vlei poisoning. Part I. Rep. vet. Res. Un. S. Afr. No. 15, pp. 805-813.
- NEVILL, E., 1908. The rainfall in Natal. Agric. J. Natal 11: 1531-1533.
- NICHOLAS, G.W., 1952. The answer to desert encroachment. Farmer's Weekly. Bloemfontein, 25 June 1952, pp.14-17.
- NICHOLSON, H.B., 1968. Notes from the Natal South Coast. 4. Trees S. Afr. 20: 38-46.
- NICHOLSON, H.B., 1970a. Notes on the trees of Tongaland. 1. Trees S. Afr. 22: 6-22.
- NICHOLSON, H.B., 1970b. Notes on the trees of Tongaland. 2. Trees S. Afr. 22: 30-46.
- NICHOLSON, H.B., 1970c. Notes on the trees of Tongaland. 3. Trees S. Afr. 22: 58-70.
- NICHOLSON, H.B., 1971. Notes on Mlanje cedar and some other trees of the Mlanje mountains in Malawi. Trees S. Afr. 23: 58-68.
- NIEUWOUDT, G., 1949. Brand in die winter (Clanwilliam distrik). Landbouweekblad, Cape Town, 18 May, pp. 32-35.
- NOBBS, E.A., 1904. Grasses for trial in the Cape Colony. Agric. J. Cape G.H. 25: 204-207.
- NOBBS, E.A., 1907. Restoration of the veld by the aid of aloes. Agric. J. Cape G.H. 31: 526-528.
- NOBBS, E.A., 1942. Veld. The '1820' Magazine 1941-1942, pp. 58.
- NOBLE, R.G., 1972. Hydrobiological studies of the Orange River System in relation to Hendrik Verwoerd Dam. Civ. Engr S. Afr. 14.2: 79-80.
- NOBLE, R.G., 1974. An evaluation of the conservation status of aquatic biotopes. Koedoe 17: 71-83.
- NOBLE, R.G., PRETORIUS, W.A. & CHUTTER, F.M., 1971. Biological aspects of water pollution. S. Afr. J. Sci. 67: 132-136.
- NOEL, A.R.A., 1959. The vegetation of the freshwater swamps of Inhaca Island. JI S. Afr. Bot. 25: 189-206.
- NOEL, A.R.A., 1961. A preliminary account of the effect of grazing upon species of *Helichrysum* in the Amatola Mountains. JI S. Afr. Bot. 27: 81-86.
- NOEL, A.R.A., 1968. The effects of girdling with special reference to trees in South Central Africa. Kirkia 6: 181-196.
- NOLDE, L., 1938a. Botanische Studie über das Hochland von Quela in Angola. Beih. Repert. Spec. nov. Regni veg. 15: 35-54.
- NOLDE, L., 1938b. Probeflächen verschiedener Savannenformationen in Hochland von Quela in Angola. Notizbl. bot. Gart. Mus. Berl. 14: 298-311.
- NOLDE, L., 1940. Beobachtungen über laubfall und lauberneuerung an tropischen Bäumen un Hochland von Quela (Angola). Bot. Jb. 71: 233-248.
- NORDENSTAM, B., 1965. Aspects of the Karoo flora. Bot. Notiser 118: 458-459.
- NORDENSTAM, B., 1966. *Euryops* in South West Africa. Bot. Notiser 119: 475-485.
- NORDENSTAM, B., 1970. Notes on the flora and vegetation of Etosha Pan, South West Africa. Dinteria 5: 3-18.
- NORDENSTAM, B., 1974. The flora of the Brandberg. Dinteria 11: 1-67.
- NORLINDH, T., 1946. Studies in the Calenduleae. 2. Phytogeography and interrelation. Bot. Notiser 99: 471-506.
- NORLINDH, T. & WEIMARCK, H., 1934. Beiträge zur kenntnis der Flora von Sud-Rhodesia 2. Bot. Notiser 87: 64-110.
- NORLINDH, T. & WEIMARCK, H., 1936. Beiträge zur kenntnis der Flora von Sud-Rhodesia 4. Bot. Notiser. 89: 1-50.
- NORLINDH, T. & WEIMARCK, H., 1948. Beiträge zur kenntnis der Flora von Sud-Rhodesia 8. Bot. Notiser 101: 17-40.
- NORTHERN RHODESIA, VEGETATION, 1947. Vegetation - soil map of Northern Rhodesia, 1:1 000 000. Pretoria: Government Printer.
- NORTHEY, V.R., 1974. Indigenous trees on the Twelve Apostles. JI bot. Soc. S. Afr. 60: 34-39.
- NURSEY, W.R., 1973. Improve your natural veld. Part 1. Planning a strategy. Farmer's Weekly, Durban, 28th March, pp. 12-15.
- NURSEY, W.R.E., 1970. Management of *Geigeria*- infested veld in Griqualand West. Proc. Grassld Soc. sth. Afr. 5: 42-49.
- NUTTONSON, M.Y., 1961. The physical environment and agriculture of the Union of South Africa with special reference to its winter rainfall regions containing areas climatically and altitudinally analogous to Israel. Washington: American Institute of Crop Ecology. pp. 459.
- NYENHUIS, E.M., 1936. The transpiration stream and its relation to tapworked trees. Pamph. S. Afr. biol. Soc. No. 9, pp. 15-16.
- NYGAARD, G., 1932. Contributions to our knowledge of the freshwater algae of Africa. Freshwater algae and phytoplankton from the Transvaal. Trans. R. Soc. S. Afr. 20: 101-148.
- O' CONNOR, A.J., 1930. Tree planting in the northern Transvaal. Bull. Dep. For. Un. S. Afr. No. 27.
- O'CONNOR, A.J. & CRAIB, I.J., 1929. Sylvicultural investigation of the Black Wattle (*Acacia mollissima* Wild.) S. Afr. J. Sci. 26: 235-246.
- OAKES, A.J., 1966. Effect of nitrogen fertilization and harvest frequency on yield and composition of *Panicum maximum* Jacq. in dry tropics. Agron. J. 58: 75-77.
- OATES, A.V., 1951. Some pasture problems encountered in native areas of Matabeleland. S. Afr. J. Sci. 47: 327-329.
- OATES, F., 1889. Matabeleland and the Victoria Falls: a naturalist's wanderings in the interior of South Africa. 2nd edn. London: Paul & Trench. pp. 433.
- OBERHOLSTER, R.E., 1968. Opal phytoliths in two soil profiles on the Springbok Flats. S. Afr. J. Agr. Sci. 11: 743-748.
- OBERMEIJER, A.A., 1933. A note on the distribution of *Copaifera mopane* Kirk. S. Afr. J. Sci. 30: 266-269.
- OBERMEIJER, A.A., 1937. A preliminary list of the plants found in the Kruger National Park. Ann. Transv. Mus. 17: 185-227.
- OBERMEIJER, A.A., SCHWEICKERDT, H.G.R. & VERDOORN, I.C., 1937. An enumeration of plants collected in the northern Transvaal. Bothalia 3: 223-258.

- OBERMEYER, A.A., 1967. The identity of *Fritillaria nana*. In Notes and new records of African plants. *Bothalia* 9: 345.
- OBERMEYER-MAUVE, A.A., 1966. A note on two rarely seen minute flowering plants, *Wolffia denticulata* and *W. welwitschii*. S. Afr. J. Sci. 62: 277-278.
- OELLERMANN, R.A., 1964. Nutritive value of *Themeda triandra*. 1. The influence of variables on the determination of the different protein fractions in forage and on the *in vitro* fermentation procedure employed. S. Afr. J. agric. Sci. 7: 633-648.
- OELLERMANN, R.A., 1965a. The nutritive value of *Themeda triandra*. 2. Variation in *in vitro* protein synthesis caused by seasonal fluctuations of inoculum and stage of maturity of grass. S. Afr. J. agric. Sci. 8: 393-399.
- OELLERMANN, R.A., 1965b. The nutritive value of *Themeda triandra*. 3. Seasonal variations in forage quality as determined by different criteria. S. Afr. J. agric. Sci. 8: 607-620.
- O.F.S., BETHLEHEM, VEGETATION, 1974. Vegetation map of Bethlehem area. 1:50 000. Scheepers, J.C. D.Sc. thesis, University of Pretoria.
- OGILVIE, B.M.L., 1935. Investigations on a field method for measurement of the transpiration rate of grasses. M.Sc. thesis, University of South Africa.
- OLIFF, W.D., 1960a. Hydrobiological studies on the Tugela River system. Part 2. Organic pollution in the Bushman's River. *Hydrobiologia* 14: 137-196.
- OLIFF, W.D., 1960b. Hydrobiological studies on the Tugela River system. Part 1. The Main Tugela River. *Hydrobiologia* 14: 281-385.
- OLIFF, W.D., 1963. Hydrobiological studies on the Tugela River system. Part 3. The Buffalo River. *Hydrobiologia* 21: 355-379.
- OLIFF, W.D. (ed.), 1969. The disposal of effluents into the sea off the Natal Coast. Report 14. Natal Town and Regional Planning Commission, Pietermaritzburg, pp. 140.
- OLIFF, W.D., KEMP, P.H. & KING, J.L., 1965. Hydrobiological studies on the Tugela River system. Part 5. The Sundays River. *Hydrobiologia* 26: 189-202.
- OLIFF, W.D. & KING, J.L., 1964. Hydrobiological studies on the Tugela River system. Part 4. The Mooi River. *Hydrobiologia* 24: 567-583.
- OLIVIER, M.C., 1966. Die plantegroei en flora van die Worcesterse Veldreservaat. D.Sc. thesis, University of Stellenbosch.
- OLIVIERA, J. SANTOS & CASIMIRO, J. DE FIGUEIREDO, 1968. The ecology of some forest species in Mozambique. *Revista de Ciencias Agronomicas Serie A* 1: 163-195.
- ONDERSTALL, J., 1974. The Lowveld Botanic Garden. *Trees S. Afr.* 26: 2-9.
- OOSTHUIZEN, C.J. & WALTERS, M.M., 1961. Control water fern with diesel oil. *Fmg S. Afr.* 37: 35-37.
- OOSTHUIZEN, M.J., 1964. The biological control of *Lantana camara* L. in Natal. *J. ent. Soc. sth. Afr.* 27: 1-16.
- OPPERMAN, D.P.J. & LA GRANGE, L.F., 1969. Gifblaar control in South-West Africa. *Fmg S. Afr.* 45,2: 9,11 & 13.
- OPPERMAN, D.P.J. & ROBERTS, B.R., 1970. Die invloed van ontblaring op die wortelgewigte, stoppelgewigte en reerwe status van meerjarige veldgrasse (*Themeda triandra*, *Eragrostis lehmanniana* en *Cymbopogon plurinodis*). *Agroplantae* 2: 51-59.
- OPPERMAN, D.P.J. & ROBERTS, B.R., 1975. Evapotranspiration studies on *Themeda triandra* under field conditions: a study in lysimeter methodology. *Proc. Grassld Soc. sth. Afr.* 10: 103-109.
- OPPERMAN, D.P.J., ROBERTS, B.R. & NEL, L.O., 1974. *Elyonurus argenteus* Nees - a review. *Proc. Grassld Soc. sth. Afr.* 9: 123-131.
- ORCHARD, E.R., 1952. A note on the calcium content of some highly productive pastures in Natal. *S. Afr. J. Sci.* 48: 232-234.
- ORCHARD, E.R., 1966. Pedological patterns of soil fertility. *Proc. S. Afr. Sug. Technol. Ass.* 39: 247-249.
- ORCHARD, E.R., 1969. Soils of the Tugela Basin. Report 15 Natal Town and Regional Planning Commission Pietermaritzburg.
- ORPEN, F.L., 1951. Botanical-vernacular and vernacular-botanical names of some trees and shrubs in Matabeleland. *Rhodesia agric. J.* 48: 165-181.
- OSBORN, J.B., 1931. Some physical properties of the wattle soils of Natal. *S. Afr. J. Sci.* 28: 207-221.
- OSBORN, J.B. & OSBORN, E., 1931. Studies on the germination of the seed of the Black Wattle (*Acacia mollissima*) and the Green Wattle (*Acacia decurrens normalis*). *S. Afr. J. Sci.* 28: 222-237.
- OSBORNE, P.L., 1972. A preliminary study of the phytoplankton of selected Rhodesian man-made lakes. *Rhod. Sci. News* 6,10: 294-297.
- OSBORNE, P.L., 1974. The effect of nutrient enrichment on the biomass and species composition of the phytoplankton in Mazoe Dam reservoir, Rhodesia. M.Sc. thesis, University of Rhodesia.
- OWEN-SMITH, G., 1972. The Kaokoveld - last wilderness. *Afr. wild Life* 26,2: 71-77.
- PAFFEN, K.H., 1950. Die Natuuraumliche Gliederung Sud Afrikan. *Erdkunde* 4: 94-97.
- PAGE, M.I., 1945. A first contribution to the root ecology of certain communities: lower secondary successional stages. M.Sc. thesis, University of the Witwatersrand.
- PALACKY, J., 1906. Zur Genesis der afrikanischen flora. *Bot. Jb.* 37,3: 1-2.
- PALMER, E., 1965. Neglected plants of Pearston district. *Afr. wild Life* 19: 275-284.
- PALMER, E. & PITMAN, N., 1961. *Trees of South Africa*. Cape Town: Balkema. pp. 350.
- PALMER, E. & PITMAN, N., 1972. *Trees of Southern Africa*. Vol. 1. Cape Town: Balkema. pp. 1-703.
- PALMER, E. & PITMAN, N., 1973a. *Trees of Southern Africa* Vol 2. Cape Town: Balkema. pp. 704-1495.
- PALMER, E. & PITMAN, N., 1973b. *Trees of Southern Africa*. Vol 3. Cape Town: Balkema. pp. 1496-2235.
- PAPENDORF, M.C., 1945. Fisiologies-ekologiese studies in verband met die plant-sukessie in die Suid-Afrikaanse mesofitiese grasveld. Ph.D. thesis, Potchefstroom University for CHE.
- PAPENFUS, G.F., 1940. Notes on South African marine algae. 1. *Bot. Notiser* 93: 200-226.
- PAPENFUS, G.F., 1968. Notes on South African marine algae. 5. *Jl S. Afr. Bot.* 34: 267-287.
- PAPPE, L., 1857. *Florae capensis medicae prodromus; or an enumeration of the South African indigenous plants used as remedies by colonists of Cape of Good Hope*. 2nd edn. Cape Town: W. Brittain.
- PAPPE, L., 1862. *Silva Capensis*. London: Ward.
- PAPPE, L. & RAWSON, R.W., 1858. *Synopsis filicum Africae Australis; or an enumeration of the South African ferns hitherto unknown*. Cape Town: Solomon.
- PARDY, A.A., 1951. Notes on indigenous trees and shrubs of Southern Rhodesia. *Rhodesia agric. J.* 48: 261-266, 312-322, 369-406 & 500-510.
- PARDY, A.A., 1952. Notes on indigenous trees and shrubs of Southern Rhodesia. *Rhodesia agric. J.* 49: 6-16, 74-84, 170-175, 215-220, 254-259 & 316-317.
- PARDY, A.A., 1953. Notes on indigenous trees and shrubs of Southern Rhodesia. *Rhodesia agric. J.* 50: 4-6, 152-153, 186-187, 324-326, 365-367 & 462-464.
- PARDY, A.A., 1954. Notes on indigenous trees and shrubs of Southern Rhodesia. *Rhodesia agric. J.* 51: 4-6, 109-113, 170-173, 271-274, 375-378 & 489-492.
- PARDY, A.A., 1955. Notes on indigenous trees and shrubs of Southern Rhodesia. *Rhodesia agric. J.* 52: 35-38, 152-155, 234-237, 330-334, 413-416 & 513-516.
- PARDY, A.A., 1956. Notes on indigenous trees and shrubs of Southern Rhodesia. *Rhodesia agric. J.* 53: 51-65, 205-217, 424-438, 507-524, 615-636 & 952-965.
- PAREDES, J.F., 1968. Studies on cultures of marine phytoplankton. 3. Chlorophycean *Micrononas squamata* Manton & Parke. (Brackish water). *Mems. Inst. Invest. cient. Mocamb.* 9A: 249-292.
- PARKER, R.N., 1953. Alien plants growing without cultivation in the Somerset West neighbourhood. *Jl S. Afr. Bot.* 19: 161-176.
- PARTRIDGE, T.C., BRINK, A.B.A. & MALLOWS, E.W.N., 1973. Morphological classification and mapping as a basis for development planning. *S. Afr. geogr. J.* 55: 69-80.
- PASCHINGER, H., 1968. Morphologische studien in westlichen Sudafrica. *Veroff. Univ. Innsbruck* 1, Alpenkundl Studien 1: 1-24.
- PASSARGE, S., 1904. *Die Kalahari*. Berlin: Dietrich Reimer.

- PAULI, F.W., 1958. Some recent developments in humus research. *Jl S. Afr. For. Ass.* 32: 8-25.
- PAYN, J.A., 1936. Transpiration studies of a sclerophyll *Gymnosporia buxifolia* (L.) Szyszyl. M.Sc. thesis, University of South Africa.
- PEALING, H., 1918. On the effect of vegetation on the rainfall of South Africa. *S. Afr. J. Sci.* 15: 142-145.
- PEARSON, H.H.W., 1905. South African Verbenaceae. *Trans. S. Afr. phil. Soc.* 15: 175-182.
- PEARSON, H.H.W., 1906. Notes on some South African cycads. *Trans. S. Afr. phil. Soc.* 16: 341-355.
- PEARSON, H.H.W., 1907a. Some notes on a journey from Walfish Bay to Windhuk. *Bull. misc. R. bot. Gdns Kew* 9: 339-360.
- PEARSON, H.H.W., 1907b. Some observations of *Welwitschia mirabilis* Hook. *Phil. Trans. R. Soc. Ser. B.* 198: 265-304.
- PEARSON, H.H.W., 1907c. The living *Welwitschia*. *Nature, Lond.* 75: 536-537.
- PEARSON, H.H.W., 1907d. Some South African cycads, their habits, habits and associates. *Rep. Br. Ass. Admt Sci.* 5: 738-749.
- PEARSON, H.H.W., 1908. Some observations in the *Welwitschia* desert. *Rep. S. Afr. Ass. Advmt Sci.* 5: 116-117.
- PEARSON, H.H.W., 1910. The travels of a botanist in South West Africa. *Geogr. J.* 35: 484-513.
- PEARSON, H.H.W., 1915a. Novitates africanæ. *Ann. Bolus Herb.* 1: 20-21, 76-77, 126-133 & 185-197.
- PEARSON, H.H.W., 1915b. On the flora of the Great Karasberg. *Ann. Bolus Herb.* 1: 1-8.
- PEARSON, W.H., 1886. Hepaticae Natalenses; a clarissima domina Helene Bertelsen missae. *Christiania: Dybwad.* pp. 20.
- PEARSON, W.H., 1887. Hepaticae Knysnanae, sive Hepaticarum in regione capensi 'Knysna' Africae australis a Fabro Ferrario Hans Iverson lectarum. *Christiania: Dybwad.* pp. 15.
- PEDRO, J.G., 1948. Afiteocologia da zonagern algodoeira. Lourenco Marques: Centro de Investigacao cientifica algododieria. pp. 43.
- PEDRO, J.G. & BARBOSA, L.A.G., 1955. Esboco de reconhecimento ecologico-agricola de Mocambique. 2. Vegetacao. *Mems Trab. Cent. Invest. cient. algod.* 23.
- PEGLER, A., 1918. On the flora of Kentani. *Ann. Bolus Herb.* 2: 1-14, 112-128 & 163-184.
- PENTZ, J.A., 1932. Agricultural grasses of South Africa and management of their pastures. *Bull. Dep. Agric. Un. S. Afr. No. 106*, pp. 23.
- PENTZ, J.A., 1938. The value of botanical survey and the mapping of vegetation as applied to farming systems in South Africa. *Mem. bot. Surv. S. Afr. No. 19*, pp. 15.
- PENTZ, J.A., 1940. Soil erosion survey of the reclamation area in Natal. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 212*, pp. 18.
- PENTZ, J.A., 1944. An agro-ecological survey of Natal. *Proc. 11th Ann. Cong S. Afr. Sug. Technol. Ass.* pp. 65.
- PENTZ, J.A., 1945. An agro-ecological survey of Natal. *Bull. Dep. Agric. For. Un. S. Afr. No. 250*, pp. 10.
- PENTZ, J.A., 1955. Grasses in soil and water conservation. In Meredith, D. (ed.), *The grasses and pastures of South Africa* 2: 712-723. Johannesburg: Central News Agency.
- PENZHORN, B.L., 1970. A check-list of the flowering plants in the herbarium of the Mountain Zebra National Park. *Koedoe* 13: 131-146.
- PENZHORN, B.L. & OLIVIER, M.C., 1974. A systematic checklist of flowering plants collected in the Addo Elephant National Park. *Koedoe* 17: 121-136.
- PENZHORN, B.L., ROBERTSE, P.J. & OLIVIER, M.C., 1974. The influence of the African elephant on the vegetation of the Addo Elephant National Park. *Koedoe* 17: 137-158.
- PENZHORN, K.E.W., 1942. Burning veld out of season. *Fmg S. Afr.* 17: 453-454.
- PENZHORN, K.E.W., 1959. 'n Studie van die fisies-biologiese fase van boerdery beplanning in die Hoefeldstreek van Suid-Afrika. D.Sc. (Agric.) thesis, University of Pretoria.
- PENZHORN, K.E.W., 1972. Soil conservation: where do we stand? *S. Afr. J. Sci.* 68: 117-181.
- PERCIVAL, R., 1804. An account of the Cape of Good Hope. London: Baldwin. pp. 339.
- PEREIRA, J.L., 1965. Aspectos ecologicos e valor zootechnico das pastagens naturais do sul de Angola. *Proc. 9th. Int. Grassld Congr.* 1429-1431.
- PETERS, W.C.H., 1864. Naturwissenschaftliche reise nach Mossambique auf befehl seiner Majes tat des Konings Friedrich Wilhelm IV in den jahren 1842 bis 1848 ausgefuhrt. *Botanik. Berlin: Rierner.* pp. 584.
- PETTEY, F.W., 1948. The biological control of prickly pears in South Africa. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 271*, pp. 163.
- PETTEY, F.W., 1953. The boring beetles of prickly pear in South Africa and their importance in the control of *Opuntia megacantha*. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 340*, pp. 36.
- PHELINES, R.F., COKE, M. & NICOL, S.M., 1973. Some biological consequences of the damming of the Pongola River. *Int. Cong. Large Dams, Madrid.*
- PHILLIPS, E.P., 1913. Contribution to the flora of South Africa. *Ann. S. Afr. Mus.* 9: 111-127.
- PHILLIPS, E.P., 1917a. A contribution to the flora of the Leribe Plateau and environs, with a discussion on the relationships of the floras of Basutoland, the Kalahari and the South-Eastern regions. *Ann. S. Afr. Mus.* 16: 1-379.
- PHILLIPS, E.P., 1917b. Contribution to the flora of South Africa. *Ann. S. Afr. Mus.* 13: 337-352.
- PHILLIPS, E.P., 1918a. A note on the flora of the Great Winterhoek Range. *S. Afr. J. Sci.* 15: 226-234.
- PHILLIPS, E.P., 1918b. Some notes on a collecting trip to French Hoek. *S. Afr. J. Sci.* 15: 450-478.
- PHILLIPS, E.P., 1919. A preliminary report on the veld-burning experiments at Groenkloof, Pretoria. *S. Afr. J. Sci.* 16: 285-299.
- PHILLIPS, E.P., 1920a. The importance of a properly equipped state herbarium to an agricultural country. *S. Afr. J. nat. Hist.* 2: 18-38.
- PHILLIPS, E.P., 1920b. Adaptations for the dispersal of fruits and seeds. *S. Afr. J. nat. Hist.* 2: 240-252.
- PHILLIPS, E.P., 1920c. Three noteworthy species of plants from South Africa. *S. Afr. J. Sci.* 16: 429-431.
- PHILLIPS, E.P., 1920d. Veld burning experiments at Groenkloof: second report. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 17*, pp. 7.
- PHILLIPS, E.P., 1922a. A preliminary note on the flora in the neighbourhood of Bethlehem, O.F.S. *S. Afr. J. nat. Hist.* 3: 10-16.
- PHILLIPS, E.P., 1922b. The thorn pears (*Scolopia* spp.). *Bothalia* 1: 83-86.
- PHILLIPS, E.P., 1926a. The genera of South African flowering plants. *Mem. bot. Surv. S. Afr. No. 10*, pp. 702.
- PHILLIPS, E.P., 1926b. A preliminary list of the known poisonous plants found in South Africa. *Mem. bot. Surv. S. Afr. No. 9*, pp. 30.
- PHILLIPS, E.P., 1929a. Gifblaar en gousiekte. *Fmg S. Afr.* 1: 452.
- PHILLIPS, E.P., 1929b. A brief sketch of the flora of the environs of Pretoria. *S. Afr. J. Sci.* 26: 184-189.
- PHILLIPS, E.P., 1930. The weeds of South Africa. *Bull. Dep. Agric. For. Un. S. Afr. No. 195*, pp. 229.
- PHILLIPS, E.P., 1931. An introduction to the study of the South African grasses, with notes on their distribution, structure, cultivation, etc. Johannesburg: Central News Agency. pp. 224.
- PHILLIPS, E.P., 1933a. A few interesting South African plants. *Pamph. S. Afr. biol. Soc. No. 7*, pp. 37-39.
- PHILLIPS, E.P., 1933b. Newly described and newly recorded genera of South African plants. *S. Afr. J. Sci.* 30: 220-221.
- PHILLIPS, E.P., 1933c. The flora of Barberton. *S. Afr. J. Sci.* 30: 234-236.
- PHILLIPS, E.P., 1951. The genera of South African flowering plants. *Mem. bot. Surv. S. Afr. No. 25*, pp. 923.
- PHILLIPS, E.P. & BREDELL, H.C., 1930. The genus *Elyonurus* Humb. & Bonpl. in South Africa. *Bothalia* 3: 259-269.
- PHILLIPS, E.P. & KOTZE, J.J., 1921. The occurrence of Terblanz (*Faurea macnaughtonii*) in Natal and Pondoland. *S. Afr. J. Sci.* 17: 221.
- PHILLIPS, E.P. & PENTZ, J.A., 1935. Cultivated native grasses. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 146*, pp. 16.
- PHILLIPS, J., 1919. Forest life at the Pirie. *S. Afr. Gdng Country Life* 9: 145-146, 185, 187 & 194.
- PHILLIPS, J., 1965. Aspects of an ecological approach to the development of great projects such as those for the Orange River. *S. Afr. J. Sci.* 61: 69-75.

- PHILLIPS, J., 1969. Ecological aspects of international development south of the Sahara: South Africa's potential contribution by the turn of the century. *S. Afr. J. Sci.* 65: 277-290.
- PHILLIPS, J., 1971. Fire in Africa: A brief re-survey. *Proceedings Tall Timbers Fire Ecology Conference* 11: 1-7.
- PHILLIPS, J., 1973. The agricultural and related development of the Tugela Basin and its influent surrounds. Report 19. Natal Town and Regional Planning Commission, Pietermaritzburg, pp. 299.
- PHILLIPS, J.F.V., 1921. The Alexandria forests. *S. Afr. Gdng Country Life* 11: 217, 219, 257-258 & 276.
- PHILLIPS, J.F.V., 1923. Disease in young natural regeneration of *Olea laurifolia* Lam. *S. Afr. J. nat. Hist.* 4: 209-220.
- PHILLIPS, J.F.V., 1924. The biology, ecology and silviculture of "Stinkwood" (*Ocotea bullata* E.Mey.). *S. Afr. J. Sci.* 21: 275-292.
- PHILLIPS, J.F.V., 1925a. *Platylophus trifoliatus* Don: a contribution to its ecology. *S. Afr. J. Sci.* 22: 144-160.
- PHILLIPS, J.F.V., 1925b. Experimental vegetation: the use of South African indigenous tree seedlings as phytometers. *S. Afr. J. Sci.* 22: 197-214.
- PHILLIPS, J.F.V., 1925c. The plant as a measure of the habitat. *Nature*, Lond. 117: 2931.
- PHILLIPS, J.F.V., 1926a. General biology of the flowers, fruits and young regeneration of the more important species of the Knysna forests: a summary of preliminary studies. *S. Afr. J. Sci.* 23: 366-417.
- PHILLIPS, J.F.V., 1926b. Phytometry in the Knysna forests. *Yb. Carnegie Instn Wash.* 25: 346-347.
- PHILLIPS, J.F.V., 1926c. Rainfall interception by plants. *Nature*, Lond. 118: 837-838.
- PHILLIPS, J.F.V., 1926d. Succession and climaxes in the Knysna region. *Yb. Carnegie Instn Wash.* 25: 365-367.
- PHILLIPS, J.F.V., 1926e. The biology of the flowers, fruits and young regeneration of *Olinia cymosa* Thunb. (Hard Pear). *Ecology* 7: 338-350.
- PHILLIPS, J.F.V., 1926f. The propagation of Stinkwood (*Ocotea bullata* E.Mey.) by vegetative means. *S. Afr. J. Sci.* 23: 418-434.
- PHILLIPS, J.F.V., 1927a. Dendrographic experiments: *Ocotea bullata* E.Mey. (Stinkwood). *S. Afr. J. Sci.* 24: 227-243.
- PHILLIPS, J.F.V., 1927b. *Ekebergia capensis* Sparrm. (Essenhout) in the Knysna region. A preliminary ecological note. *S. Afr. J. Sci.* 24: 216-224.
- PHILLIPS, J.F.V., 1927c. Experimental vegetation: A second contribution. *S. Afr. J. Sci.* 24: 259-268.
- PHILLIPS, J.F.V., 1927d. Experimental vegetation in the Knysna forests. *Yb. Carnegie Instn Wash.* 26: 318-319.
- PHILLIPS, J.F.V., 1927e. *Faurea macnaughtonii* Phill. (Terblanz): a note on its ecology and distribution. *Trans. R. Soc. S. Afr.* 14: 317-336.
- PHILLIPS, J.F.V., 1927f. Fossil *Widdringtonia* in lignite of the Knysna series, with a note on fossil leaves of several other species. *S. Afr. J. Sci.* 24: 188-197.
- PHILLIPS, J.F.V., 1927g. Growth and regeneration in sub-tropical forests. *Yb. Carnegie Instn Wash.* 26: 326.
- PHILLIPS, J.F.V., 1927h. Mortality in the flowers, fruits and regeneration of trees in the Knysna forests of South Africa. *Ecology* 8: 435-444.
- PHILLIPS, J.F.V., 1927i. Succession and forest types in the Knysna region. *Yb. Carnegie Instn Wash.* 26: 330-331.
- PHILLIPS, J.F.V., 1927j. The role of the 'Bush-dove' (*Columba aquatrix* T. & K.) in fruit dispersal in the Knysna forest. *S. Afr. J. Sci.* 24: 435-440.
- PHILLIPS, J.F.V., 1928a. The behaviour of *Acacia melanoxylon* R. Br. (Tasmanian Blackwood) in the Knysna forests: an ecological study. *Trans. R. Soc. S. Afr.* 16: 31-43.
- PHILLIPS, J.F.V., 1928b. Influence of forest formation upon soil moisture. *Nature*, Lond. 122: 53.
- PHILLIPS, J.F.V., 1928c. *Olea laurifolia* Lam. (Ironwood). An introduction to its ecology. *Trans. R. Soc. S. Afr.* 16: 169-190.
- PHILLIPS, J.F.V., 1928d. Plant indicators in the Knysna region. *S. Afr. J. Sci.* 25: 202-224.
- PHILLIPS, J.F.V., 1928e. Rainfall interception by plants. *Nature*, Lond. 121: 3545.
- PHILLIPS, J.F.V., 1928f. The principal forest types in the Knysna region - an outline. *S. Afr. J. Sci.* 25: 188-201.
- PHILLIPS, J.F.V., 1929a. *Curtisia faginea* Ait. (Assegai): an ecological note. *Trans. R. Soc. S. Afr.* 17: 29-41.
- PHILLIPS, J.F.V., 1929b. The influence of *Usnea* sp. upon the supporting tree. *Trans. R. Soc. S. Afr.* 17: 101-107.
- PHILLIPS, J.F.V., 1930. Fire: its influence on biotic communities and physical factors in South and East Africa. *S. Afr. J. Sci.* 27: 352-367.
- PHILLIPS, J.F.V., 1931a. Ecological investigations in South, Central and East Africa. *J. Ecol.* 19: 474-482.
- PHILLIPS, J.F.V., 1931b. Ecology - the foundation of forestry. *Emp. For. J.* 10: 86-105.
- PHILLIPS, J.F.V., 1931c. Forest succession and ecology in the Knysna region. *Mem. bot. Surv. S. Afr.* No. 14, pp. 327.
- PHILLIPS, J.F.V., 1931d. South Africa's wasting heritage. *S. Afr. geogr. J.* 14: 19-25.
- PHILLIPS, J.F.V., 1931e. The biotic community. *J. Ecol.* 19: 1-24.
- PHILLIPS, J.F.V., 1934. Succession, development, the climax and the complex organism: an analysis of concepts. Part 1. *J. Ecol.* 22: 554-571.
- PHILLIPS, J.F.V., 1935a. Some problems presented by South African grasses and grass communities. *Jl S. Afr. Bot.* 1: 47-63.
- PHILLIPS, J.F.V., 1935b. Succession, development, the climax and the complex organism: an analysis of concepts. 2. Development and the climax. *J. Ecol.* 23: 210-246.
- PHILLIPS, J.F.V., 1935c. Succession, development, the climax and the complex organism: an analysis of concepts. Part 3. The complex organism: conclusions. *J. Ecol.* 23: 488-508.
- PHILLIPS, J.F.V., 1936. Fire in vegetation: a bad master, a good servant and a national problem. *Jl S. Afr. Bot.* 2: 35-45.
- PHILLIPS, J.F.V., 1937a. Botany, pure and applied, in relation to industry, with special reference to the mining industry of South Africa. Introductory remarks, scheme and concluding remarks. *S. Afr. J. Sci.* 33: 356-358.
- PHILLIPS, J.F.V., 1937b. Studies of vegetation on mine dumps, Johannesburg. *S. Afr. J. Sci.* 33: 431-433.
- PHILLIPS, J.F.V., 1938. Deterioration in the vegetation of the Union of South Africa and how this may be controlled. *S. Afr. J. Sci.* 35: 476-484.
- PHILLIPS, J.F.V., 1943. Some methods of control of unwanted vegetation. *S. Afr. J. Sci.* 40: 134.
- PHILLIPS, J.F.V., 1949a. Research in plant ecology in Africa. In *Statements and communications of the African Regional Scientific Conference* 17-28 Oct. 1949, Johannesburg. pp. 173-177.
- PHILLIPS, J.F.V., 1949b. Some soil and conservation problems of Africa-wide significance. In *Statements and communications of the African Regional Scientific Conference*, 17-28 Oct. 1949, Johannesburg. pp. 94-98.
- PHILLIPS, J.F.V., 1954. The development of agriculture and forestry in the tropics. London: Faber & Faber. pp. 206.
- PHILLIPS, J.F.V., 1957. Aspects of the ecology and productivity of some of the more arid regions of southern and eastern Africa. *Vegetatio* 7: 38-68.
- PHILLIPS, J.F.V., 1959. Agriculture and ecology in Africa: a study of actual and potential development south of the Sahara. London: Faber & Faber. pp. 412.
- PHILLIPS, J.F.V., 1963. The forests of George, Knysna and the Tsitsikama: a brief history of their management 1878-1939. *Bull. Dep. For. S. Afr.* No. 40, pp. 54.
- PHILLIPS, J.F.V., 1965. Fire - as master and servant: its influence in the bioclimatic regions of Trans-Saharan Africa. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 4: 7-109.
- PHILLIPS, J.F.V., 1971. Physiognomic classification of the more common vegetation types in South Africa, including Mocambique. Johannesburg: Loxton & Hunting.
- PHLEGER, F.D., 1975. Holocene ecology of St Lucia Lagoon, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- PICHI-SERMOLLI, R.E.G. (ed.), 1965. Proceedings of the fifth plenary meeting of the "Association pour l'étude taxonomique de la flore d'Afrique tropicale" (AETFAT) Genova-Firenze, 9th - 14th September, 1963. Webbia 19: 491-906.
- PICKWORTH, G., 1969. Water hyacinths in farm dams - a serious problem. *Fmg S. Afr.* 45: 13-15.
- PIENAAR, A.J., 1956. Studies on burning and mowing of veld. M.Sc. thesis, University of Natal.

- PIENAAR, A.J., 1959. Bush encroachment not controlled by veld burning alone. *Fmg S. Afr.*, Pretoria, 35,9: 16-17.
- PIENAAR, A.J., 1964. Veld control. *Bull. Dep. Agric. S. Afr.* No. 376, pp. 52-69.
- PIENAAR, A.J., 1967. Die groeivermoe en anorganiese samestelling van vier grassoorte onder differensiële voeding en vogvoorsiening. D.Sc (Agric.) thesis, University of Pretoria.
- PIENAAR, A.J. & LIEBENBERG, L.C., 1960. Weed encroachment in the Transvaal region. *Fmg S. Afr.* 36,6: 30-32.
- PIENAAR, C.J., 1946. 'n Fisiologiese-ekologiese studie van die lewensgeskiedenis van *Themeda triandra* Forssk en *Aristida congesta* Roem. & Schult. M.Sc. thesis, Potchefstroom University for CHE.
- PIENAAR, C.J., 1968. Does kikuyu grass seed in South Africa? *Fmg S. Afr.* 43,10: 46-47.
- PIENAAR, L.V., 1964. Reenalonderskepping deur 'n jong opstand van *Pinus radiata* D. Don. *For. S. Afr.* 5: 23-37.
- PIENAAR, U. DE V., 1968. The ecological significance of roads in a national park. *Koedoe* 11: 169-174.
- PIETERSE, A.J.H. & BOTHA, P.J., 1971. Die versameling, isolasie en kultivering van *Oscillatoria raoi* De Toni, J. *Tydskr. Natuurwet.* 11,3: 181-200.
- PILGER, R., 1910. Sudwestafrikanische Futtergraser. *Notizbl. bot. Gart. Mus. Berl.* 5: 133-155.
- PILGER, R., 1913. Die Grasvegetation der Farm Okainapuro in Deutsch-Sudwest-Afrika. *Notizb. Gart. Mus. Berl.* 6: 70-71.
- PILGER, R., 1954. Beiträge zur Flora von Sudwest-afrika. 1. Gramineae. *Willdenowia* 1: 199-274.
- PILLANS, N.S., 1924. Destruction of indigenous vegetation by burning on the Cape Peninsula. *S. Afr. J. Sci.* 21: 348-350.
- PILLANS, N.S., 1928. The African genera and species of Restionaceae. *Trans. R. Soc. S. Afr.* 16: 207-440.
- PIRTE, N.W., 1970. Weeds are not all bad. *Ceres* 3,4: 31-34.
- PITMAN, W.V. & HUTCHISON, I.P.G., 1975. A preliminary hydrobiological study of Lake Sibaya. Hydrobiological Research Unit Report 4/75, University of the Witwatersrand, Johannesburg, pp. 35.
- PLANT, R.W., 1852. Notice of an excursion to the Zulu country. *Hookers J. Bot. Kew Gdn Misc.* 4: 257-265.
- PLATHE, D.J.R. & VAN DER ZEL, D.W., 1969. 'n Veldbrand-eksperiment op meervoudige opvanggebiede in Jakkalsrivier, Lebanon. *For. S. Afr.* 10: 63-71.
- PLATT, E.E., 1921. Food plants of South African butterflies and moths. *S. Afr. J. bot. Hist.* 3,1: 65-138.
- PLOWES, D.C.H., 1955. Veld burning: how, why and when. *Rhodesia agric. J.* 52: 380-394.
- PLOWES, D.C.H., 1956. Bush or grass - which do we want? *Rhodesia agric. J.* 53: 589-595.
- PLOWES, D.C.H., 1957. The seasonal variation of crude protein in twenty common veld grasses at Matopos, Southern Rhodesia, and related observations. *Rhodesia agric. J.* 54: 33-55.
- PLOWES, D.C.H., 1972. Aloes in Manicaland. *Excelsa* 2: 31-39.
- PLUMMER, F.E. & HAYLETT, D.G., 1938. Climate in relation to the deterioration and conservation of natural resources in the Union. *S. Afr. J. Sci.* 35: 2-18.
- PLUMMER, F.E. & LEPPAN, H.D., 1927. Rainfall and farming in the Transvaal. *Bull. Fac. Agric. Transv. Univ. Coll. No.* 12.
- PLUMSTEAD, E.P., 1963. The influence of plants and environment on the developing animal life of Karroo times. *S. Afr. J. Sci.* 59: 147-152.
- PLUMSTEAD, E.P., 1969. Three thousand million years of plant life in Africa. Alex L. du Toit Memorial Lectures No.11. *Trans. Proc. Geol. Soc. S. Afr. annex.* pp. 72.
- PLUMSTEAD, E.P., 1974. Trees of the distant and more recent past in South Africa. *S. Afr. For. J. No.* 88, pp. 1-5.
- POCH, R., 1911. Über die Kalahari. *Verh. Zool.-bot. Ges. Wien* 61: 114-122.
- POCOCK, M., n.d. Fresh water algae of Southern Africa. Botanical Research Institute Library, Pretoria. pp 230. (Typewritten manuscript).
- POCOCK, M.A., 1933a. *Vohox* and associated algae from Kimberley. *Ann. S. Afr. Mus.* 16: 473-521.
- POCOCK, M.A., 1933b. *Vohox* in South Africa. *Ann. S. Afr. Mus.* 16: 523-646.
- POCOCK, M.A., 1937. *Hydrodictyon* in South Africa with notes on the known species of *Hydrodictyon*. *Trans. R. Soc. S. Afr.* 24: 263-280.
- POCOCK, M.A., 1952. Observations of the occurrence of certain South African seaweeds. *S. Afr. J. Sci.* 49: 189.
- POCOCK, M.A., 1959. *Haematococcus* in Southern Africa. *Trans. R. Soc. S. Afr.* 36: 5-55.
- POGGE, C., 1910. Nutzholzbaume Deutsch-Sudwest-Afrikas. *Z. Forst-u. Jagdw.* 42: 400-426.
- POLDERVAART, A., 1955. Kalahari Sands. Third Pan-African Congress on Prehistory, pp. 106-114.
- POLE EVANS, I.B., 1915. Some notes on the South African aloes. *S. Afr. J. Sci.* 12: 723.
- POLE EVANS, I.B., 1917a. Descriptions of some new aloes from the Transvaal. *Trans. R. Soc. S. Afr.* 5: 703-712.
- POLE EVANS, I.B., 1917b. South African fibre plants - Ambari or Deccan Hemp, *Hibiscus cannabinus* L. *S. Afr. J. Inds* 1: 198-208.
- POLE EVANS, I.B., 1919. The plant geography of South Africa. In *Official Year Book No. 3*, Pretoria: Government Printer.
- POLE EVANS, I.B., 1920. The veld: its resources and dangers. *S. Afr. J. Sci.* 17: 1-34.
- POLE EVANS, I.B., 1922a. The main botanical regions of South Africa. *Mem. bot. Surv. S. Afr. No. 4*, pp. 49-53.
- POLE EVANS, I.B., 1922b. The plant geography of South Africa. In *Official Year Book No. 5*, Pretoria: Government Printer.
- POLE EVANS, I.B., 1924. "Gouziekte" veld: its vegetation and flora. *Rep. vet. Res. Un. S. Afr. No. 9-10*, pp. 109-119.
- POLE EVANS, I.B., 1929a. The vegetation of South Africa. In Crocker, H.J. & McCrae, J. (eds), *South Africa and Science*, pp. 192-214. Johannesburg: South African Association for the Advancement of Science.
- POLE EVANS, I.B., 1929b. The vegetation of South Africa. In *Official Year Book No. 12*, Pretoria: Government Printer.
- POLE EVANS I.B., 1933. Agricultural possibilities of some of the African grasses. *Emp. J. exp. Agric.* 1: 341-346.
- POLE EVANS I.B., 1935. Pasture research in South Africa. *Nature, Lond.* 136: 402.
- POLE EVANS, I.B., 1936a. Pasture research in the Union of South Africa. *Bull. imp. Bur. Pl. Genet. Herb.* 18: 7-18.
- POLE EVANS, I.B., 1936b. A vegetation map of South Africa. *Mem. bot. Surv. S. Afr. No. 15*, pp. 23.
- POLE EVANS, I.B., 1948. A reconnaissance trip through the eastern portion of the Bechuanaland Protectorate, April 1931 and an expedition to Ngamiland, June-July 1937. *Mem. bot. Surv. S. Afr. No. 21* pp. 203.
- POLE EVANS, I.B., et al., 1922. A guide to botanical survey work. *Mem. bot. Surv. S. Afr. No. 4*, pp. 89.
- POLE EVANS, I.B., SAUNDERS, R.A., ROWLAND, J.W. & DE VILLIERS, S.R., 1936. Pastures and forage crops in South Africa. *Bull. imp. Bur. Pl. Genet. Herb.* 18: 31.
- POLLOCK, N.C., 1969. Some observations on game ranching in southern Africa. *Biol. Conserv.* 2,1: 18-24.
- PONS, J.E., 1955. Veld burning. *Fmg S. Afr.* 30: 312 & 328.
- PONT, J.W., 1924. Onderzoek op den osmotischen druk in correlatie met groeiplaats en groeivorm in Zuid-Afrikaanse planten. *S. Afr. J. Sci.* 21: 322-338.
- PONT, J.W., 1930. Lys van populere plantname uit die distrik Kroonstad. *Tydskr. Wet. Kuns* 8: 222-225.
- PONT, J.W., 1932. Naamlys van die flora van Kroonstad. *Tydskr. Wet. Kuns* 11: 201-209.
- PONT, J.W., 1933. Naamlys van die flora van Kroonstad. *Tydskr. Wet. Kuns* 12: 49-52, 151-158 & 194-197.
- PORTER, R.N., 1975. The production, utilization and effects of grazing on some of the pastures in the Umfolozi Game Reserve, Zululand. M.Sc. thesis, University of the Witwatersrand.
- POTGIETER, J.T. & DURR, H.J.R., 1960. A host plant index of South African plant lice (Aphididae). *Annale Univ. Stellenbosch Serie A* 36,5: 219-238.
- POTTS, G., 1923. The plant succession in the Orange Free State, and the need for maintaining a covering of vegetation. *S. Afr. J. Sci.* 20: 196-201.
- POTTS, G. & TIDMARSH, C.E.M., 1937. An ecological study of a piece of Karoo-like vegetation near Bloemfontein. *Jl S. Afr. Bot.* 3: 51-92.
- POYNTON, J.C., 1962. Geographical and ecological determinants of distribution patterns. *Ann. Cape Prov. Mus.* 2: 32-36.

- POYNTON, R.J., 1962. 'n Gids tot die kenmerke en gebruik van bome en struik. Bull. Dep. For. Un. S. Afr. No. 39, pp. 70.
- POYNTON, R.J., 1965. Research on the silviculture of *Eucalyptus grandis* (Saligna) in the northern Transvaal. S. Afr. For. J. No. 55, pp. 10-20.
- POYNTON, R.J., 1966a. Tree planting in Basutoland. For. S. Afr. No. 6, pp. 33-52.
- POYNTON, R.J., 1966b. The drought resistance of commercial timber species in the Transvaal. For. S. Afr. No. 6, pp. 87-106.
- POYNTON, R.J., 1968. Trees for the western Transvaal selected on the basis of arboretum trials. M.Sc. thesis, University of Stellenbosch.
- POYNTON, R.J., 1971. A silvicultural map of Southern Africa. S. Afr. J. Sci. 67: 58-60.
- POYNTON, R.J., 1974. Characteristics and uses of trees and shrubs. Bull. Dep. For. S. Afr. No. 39, pp. 70.
- PRELLER, J.H., 1948. Pasture control with special reference to the border area. Fmg S. Afr. 23: 191-199.
- PRELLER, J.H., 1950. Pasture and pasture crops. Sci. Bull. Dep. Agric. Un. S. Afr. No. 280, pp. 94.
- PRELLER, J.H., 1969. Weidingnavorsing in Suid-Afrika: 'n geskiedkundige oorsig. Proc. Grassld Soc. sth. Afr. 4: 16-18.
- PRELLER, J.H. & VISSER, J.H., 1954. Vegetation and plant types. Fmg S. Afr. 29: 415-417 & 434.
- PRENTICE, A.A., 1965. Potential evaporation in Rhodesia. Rhod. met. Serv., Agric. Met. Note 13.
- PRETORIUS, F.J., 1966. Stop bush encroachment in the lowveld of Natal. Fmg S. Afr. 42.8: 46-48.
- PRETORIUS, L.M. & VAN ARK, H., 1972. Influence of control of *Hodotermes mossambicus* on the plant cover in the northern Transvaal bushveld area. Phytophylactica 4.2: 45-49.
- PRETORIUS, M.W., 1973. Voedings-, produksie- en morfologiese studies op *Panicum maximum* Jacq. M.Sc. (Agric.) thesis, University of Pretoria.
- PRETORIUS, W.A., 1971. Some operational characteristics of a bacterial disc unit. Wat. Res. 5: 1141-1146.
- PROSKAUER, J., 1955. The Sphaerocarpaceae of South Africa. JI S. Afr. Bot. 31: 63-75.
- PROTTER, J., 1949. Some physical properties of soils as related to vegetative cover. M.Sc. thesis, University of the Witwatersrand.
- RABIE, J.W., 1954. Studies on growth and development of certain veld grasses with special reference to *Eragrostis curvula* and *Themeda triandra*. M.Sc. (Agric.) thesis, University of Natal. pp. 110.
- RABIE, J.W., 1964. Developmental studies on veld grasses. S. Afr. J. agric. Sci. 7: 583-588.
- RANDALL, D., 1957. Factors of economic development and the Okavango delta. Department of Geography Research Paper 47, University of Chicago, Illinois.
- RANGE, P., 1911a. Aus dem deutsch-sudwest-afrikanischen Schutzgebiete. Das Luderitzland Mitt. dt. Schutzgeb. 24: 30-42.
- RANGE, P., 1911b. Die deutsche Sud Kalahari. Z. Ges. Erdk. Berl. pp. 291-310.
- RANGE, P., 1927. Die Kustenwuste zwischen Luderitzbucht und Swakopmund in Sudwest-Afrika. Petermanns Mitt. 78: 344-353.
- RANGE, P., 1930. Humusboden in Sudwestafrika. Z. dt. geol. Ges. 82: 604-610.
- RANGE, P., 1940a. Die Flora des aussertropischen Sudwestafrika. Verh. bot. Ver. Prov. Brandenb. 80: 37-47.
- RANGE, P., 1940b. Die Flora von Deutsch-Sudwestafrika. Ber. dt. bot. Ges. 58: 226-229.
- RANWELL, H.A., 1964. 'n Ekologiese voedings-fisiologiese studie van *Themeda triandra*, *Panicum coloratum* en *Eragrostis curvula*. D.Sc. thesis, Potchefstroom University for CHE.
- RATTRAY, G., 1913. Notes on the pollination of some South African cycads. Trans. R. Soc. S. Afr. 3: 259-270.
- RATTRAY, J.M., 1954. Some plant indicators in Southern Rhodesia. Rhod. agric. J. 51: 176-186.
- RATTRAY, J.M., 1957. The grasses and grass associations of Southern Rhodesia. Rhodesia agric. J. 54: 197-234.
- RATTRAY, J.M., 1960a. The grass cover of Africa. Rome: FAO agric. studies No. 49. pp. 168.
- RATTRAY, J.M., 1960b. The habit, distribution, habitat, forage value and veld indicator value of the commoner Southern Rhodesian grasses. Rhodesia agric. J. 57: 424.
- RATTRAY, J.M., 1962a. Vegetation types of Southern Rhodesia. Kirkia 2: 68-93.
- RATTRAY, J.M., 1962b. Vegetation studies of Southern Rhodesia and grass cover of Africa. Ph.D. thesis, Rhodes University. pp. 168.
- RATTRAY, J.M. & WILD, H., 1955. Report on the vegetation of the alluvial basin of the Sabi Valley and adjacent areas. Rhodesia agric. J. 52: 484-501.
- RATTRAY, J.M. & WILD, H., 1962. Vegetation map of the Federation of Rhodesia and Nyasaland. Kirkia 2: 94-104.
- RAVEN, P.H., 1972. Plant species disjunctions: a summary. Ann. Mo. bot. Gdn 59: 234-246.
- RAWE, R., 1961. Cacti in Southern Africa. Cape Town: Timmins.
- RAWE, R., 1968. Succulents in the veld. Cape Town: Timmins.
- READ, H.A., 1941. *Eucalyptus saligna* and soil reclamation. JI S. Afr. For. Ass. 7: 50-52.
- REDINHA, J., 1961. Nomenclaturus Nativas para es Formacoes Botanicas do Nordeste de Angola. Agronomia angol. 13: 53-78.
- REES, W.A., 1974a. Bush sucker control in miombo woodland in Zambia. E. Afr. agric. J. 40: 44-49.
- REES, W.A., 1974b. Preliminary study into bush utilization by cattle in Zambia. J. appl. Ecol. 11: 207-214.
- REEVE, N.G. & SUMNER, M.E., 1971. Cation exchange capacity and exchange-able aluminium in Natal oxisols. Proc. Soil Sci. Soc. Am. 35: 38-42.
- REFEGA, A.A.G., 1968. Os solos do Huambo. Breves notas. Nova Lisboa, Universidade de Luanda. pp. 50.
- REHMAN, A., 1880. Geobotanische stosunki poludniowej Afryki. Krakowie: Uniwersytetu Jagiellorskiego. pp. 68.
- REILLY, C., 1967. Accumulation of copper by some Zambian plants. Nature. Lond. 215: 667-668.
- REITZ, D., 1938. The forests of Northern Zululand. JI S. Afr. For. Ass. No. 1, pp. 28-29.
- RENEW, A., 1968. Some edible wild cucumbers (Cucurbitaceae) of Botswana. Botswana Notes & Records 1: 5-8.
- RENEW, A., 1971. Aloes of Botswana. Botswana Notes and Records 2: 111-114.
- RENNIE, J.V.L., 1935. On the flora of a high mountain in South West Africa. Trans. R. Soc. S. Afr. 23: 259-264.
- RENNIE, J.V.L. & MOUNTAIN, E.D., 1942. Fossil flora of the Witteberg Series. Trans. R. Soc. S. Afr. 29: 59-61.
- RETHMAN, N.F.G., 1965. Studies on grass growth in a tall grass veld sward. M.Sc. (Agric.) thesis, University of Natal.
- RETHMAN, N.F.G., 1971. Elevation of shoot apices of two ecotypes of *Themeda triandra* on the Transvaal Highveld. Proc. Grassld Soc. sth. Afr. 6: 86-92.
- RETHMAN, N.F.G. & BEUKES, B.H., 1973. Overseeding of *Eragrostis curvula* on north-eastern sandy Highveld. Proc. Grassld Soc. sth. Afr. 8: 57-59.
- RETHMAN, N.F.G., BEUKES, B.H. & MALHERBE, C.E., 1971. Influence on a north-eastern sandy highveld sward of winter utilization of sheep. Proc. Grassld Soc. sth. Afr. 6: 55-62.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1967. Growth and development in *Cymbopogon excavatus* tillers. S. Afr. J. agric. Sci. 10: 811-821.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1968a. Growth and development in *Heteropogon contortus* tillers. S. Afr. J. agric. Sci. 11: 259-272.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1968b. The influence of time of defoliation on the vigour of a tall grassveld sward in the next season. Proc. Grassld Soc. sth. Afr. 3: 91-94.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1969. The seasonal growth patterns of a tall grassveld sward. Proc. Grassld Soc. sth. Afr. 4: 56-60.
- REY, C.F., 1932. Ngamiland and the Kalahari. Geogr J. 80: 281-308.
- REYNOLDS, G.W., 1950. The aloes of South Africa. Johannesburg: Aloes of South Africa Book Fund. pp. 520.
- REYNOLDS, G.W., 1954. The aloes of Nyasaland. Blantyre: Nyasaland Society.
- REYNOLDS, G.W., 1960. Hunting aloes in Angola. JI S. Afr. biol. Soc. 1: 21.

- REYNOLDS, G.W., 1966. The aloes of tropical Africa and Madagascar. Mbabane: Aloe Book Fund. pp 537.
- REYNOLDS, G.W., 1969. The aloes of South Africa. (2nd edn). Cape Town: Balkema.
- REYNOLDS, G.W., 1974. The aloes of South Africa. (3rd edn). Cape Town: Balkema. pp. 534.
- RHODES, R.C., 1968. Some aspects of the post-depositional history of the red sands in coastal Natal. S. Afr. J. Sci. 64: 145-149.
- RICE, E.G. & COMPTON, R.H., 1951. Wild flowers of the Cape of Good Hope. Cape Town: Botanical Society of South Africa.
- RICH, F., 1932. Contributions to our knowledge of the freshwater algae of Africa. 10. Phytoplankton from South African pans and vleis. Trans. R. Soc. S. Afr. 20: 149-188.
- RICH, F., 1935. Contributions to our knowledge of freshwater algae of Africa. 11. Algae from a pan in Southern Rhodesia. Trans. R. Soc. S. Afr. 23: 107-160.
- RICH, F., 1937. Contributions to our knowledge of the freshwater algae of Africa. 12. Some diatoms from the Victoria Falls. Trans. R. Soc. S. Afr. 24: 207-220.
- RICH, F., 1939. Contributions to our knowledge of freshwater algae of Africa. 14. Some desmids from the Transvaal. Trans. R. Soc. S. Afr. 27: 1-15.
- RICHARDS, P.W., 1947. The introduction of *Fontinalis antipyretica* into South Africa and its biological effects. Trans. Br. bryol. Soc. 1: 16.
- RICHARDS, P.W., 1964. What the tropics can contribute to ecology. J. appl. Ecol. 33: 1-11.
- RIDLEY, D. & YOUNG, A., 1966. World vegetation. Cambridge: Cambridge University Press. pp. 96.
- RIGERS, H.H. & DAVIS, D.E., 1972. Nutrient removal by water hyacinth. Weed Sci. 20: 423-428.
- RILEY, H.P., 1963. Families of flowering plants of Southern Africa. Kentucky: University of Kentucky Press. pp. 269.
- RINEY, T., 1963. A rapid field technique and its application in describing conservation status and trends in semi-arid pastoral areas. Sols Afr. 8: 159-334.
- RINO, J.A., 1969. Contribucão para o conhecimento das Algas de água doce de Mocambique. 1. Revta Cienc. biol. 2: 51-102.
- RINO, J.A., 1971. Contribucão para o conhecimento das Algas de água doce de Mocambique. 2. Revta Cienc. biol. 4: 9-55.
- RINO, J.A., 1972. Contribucão para o conhecimento das Algas de água doce de Mocambique. 3. Revta Cienc. biol. 5: 121-264.
- ROBERTS, R.D., 1974. A contribution to the limnology of Swartvlei: the effects of physico-chemical factors upon primary and secondary production in the pelagic zone. Ph.D. thesis, Rhodes University.
- ROBERTS, R.D. & SOUTHALL, G.C., 1975. Algal bioassays of two tropical Rhodesian reservoirs. Acta Hydrochem. Hydrobiol. 3: 369-377.
- ROBB, R.L., 1934. The grasslands of South Africa. Int. Grassld Congr. 3: 252-256.
- ROBB, R.L., 1936. Grassland development in South Africa. Present position and future possibilities. Pubs University of Pretoria ser. 1, 36.
- ROBERTSE, P.J., 1971. 'n Morfologiese studie van die genus *Acacia* Miller in Suid-Afrika. D.Sc. thesis, University of Pretoria.
- ROBERTSE, P.J., 1972. Slaapbewegings by die blare van die Suid-Afrikaanse *Acacia*-spesies. Koedoe 15: 83-89.
- ROBERTSE, P.J., 1973. Die genus *Acacia* in Suid-Afrika. 3. Tydskr. Natuurwet. 13,2: 72-95.
- ROBERTSE, P.J., 1974. Ontkieming van doringboomsaad. Jl S. Afr. Bot. 40: 269-273.
- ROBERTSE, P.J. & VAN DER SCHIJFF, H.P., 1973. The genus *Acacia* Miller in South Africa. 5. Mitt. bot. StSamm. Münch. 10: 170-177.
- ROBBINS, C.R., 1934. Northern Rhodesia; an experiment in the classification of land with the use of aerial photographs. J. Ecol. 22: 88-105.
- ROBERTS, B.R., 1961. Preliminary notes on the vegetation of Thaba 'Nchu. Jl S. Afr. Bot. 27: 241-251.
- ROBERTS, B.R., 1963a. A contribution to the ecology of Cathcart and environs with special reference to slope exposure and soil pH. Jl S. Afr. Bot. 29: 153-162.
- ROBERTS, B.R., 1963b. Ondersoek in die plantegroei van die Willem Pretorius Wildtuin met spesiale verwysing na veldbenutting. Koedoe 6: 137-164.
- ROBERTS, B.R., 1965a. Applied ecology in land-use planning of catchment areas. S. Afr. J. Sci. 61: 111-117.
- ROBERTS, B.R., 1965b. Veld management - the corner-stone of conservation. Leaflet. Dep. agric. tech. Serv. S. Afr. No.19, pp. 22.
- ROBERTS, B.R., 1966a. The ecology of Thaba 'Nchu. A statistical study of vegetation/habitat relationships. Ph.D. (Agric.) thesis, University of Natal.
- ROBERTS, B.R., 1966b. Conservation of the vegetation of the Orange Free State. Acta phytogeogr. succ. 54: 247-250.
- ROBERTS, B.R., 1967a. Non-selective grazing. An evaluation. Farmer's Weekly, Bloemfontein, 19 July, pp.240-249; 26 July, pp. 34-39 & 2 Aug., pp. 34-37.
- ROBERTS, B.R., 1967b. Notes on numerical analysis as applied to vegetation classification. Jl S. Afr. Bot. 33: 241-246.
- ROBERTS, B.R., 1967c. Pasture quality and its relation to utilization. Proc. Grassld Soc. sth. Afr. 2: 157-162.
- ROBERTS, B.R., 1968a. The Orange Free State. Acta phytogeogr. succ. 54: 247-250.
- ROBERTS, B.R., 1968b. Application of veld management in South Africa - an analysis of progress. Proc. Grassld Soc. sth. Afr. 4: 92-98.
- ROBERTS, B.R., 1969. The vegetation of the Golden Gate Highlands National Park. Koedoe 12: 15-28.
- ROBERTS, B.R., 1970a. Why multicamp layouts? Proc. Grassld Soc. sth. Afr. 5: 17-22.
- ROBERTS, B.R., 1970b. Assessment of veld condition and trend. Proc. Grassld Soc. sth. Afr. 5: 137-139.
- ROBERTS, B.R., 1971. Habitat preferences of twenty-seven different grasses. Proc. Grassld Soc. sth. Afr. 6: 44-49.
- ROBERTS, B.R., 1973. Common grasses of the Orange Free State. Bloemfontein: Provincial Administration of the Orange Free State. pp. 127.
- ROBERTS, B.R., 1974. Ecological research in conserved areas in the Orange Free State. Proc. Grassld Soc. sth. Afr. 9: 45-51.
- ROBERTS, B.R., 1975. Microclimatic differences in habitat on a high mountain in the Orange Free State. Proc. Grassld Soc. sth. Afr. 10: 49-55.
- ROBERTS, B.R., ANDERSON, E.R. & FOURIE, J.H., 1975. Evaluation of natural pastures: quantitative criteria for assessing condition in the *Themeda* veld of the Orange Free State. Proc. Grassld Soc. sth. Afr. 10: 133-140.
- ROBERTS, B.R. & FOURIE, J.H., 1975. Common grasses of the Northern Cape. Bloemfontein: Sendingspers.
- ROBERTS, B.R. & OPPERMAN, D.P.J., 1966. The influence of defoliation on carbohydrate status and nutritive value of perennial veld grasses. Proc. 10th Int. Grassld Cong. pp. 940-944.
- ROBERTS, B.R. & OPPERMAN, D.P.J., 1974. Veld management recommendations - a reassessment of key species and proper use factors. Proc. Grassld Soc. sth. Afr. 9: 149-155.
- ROBERTS, B.R., OPPERMAN, D.P.J. & VAN RENSBURG, W.L.J., 1972. Introductory veld ecology and utilization. Bloemfontein: University of the Orange Free State.
- ROBERTS, B.R. & SCOTT, J.D., 1968. The nutritive value, yield and botanical composition of irrigated pastures as influenced by nitrogen fertilizing. Proc. Grassld Soc. sth. Afr. 3: 83-89.
- ROBERTS, V.E., 1969. Soil survey of Bethlehem. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 58, pp. 55.
- ROBERTSON, C.C., 1911. Farm forestry in the Orange Free State. Bull. Dep. For. Un. S. Afr. No.1, pp. 10.
- ROBERTSON, C.C., 1924. The forests of South Africa. Emp. For. J. 3: 99-121.
- ROBERTSON, T.C., 1958. The story behind famous plant maps. Veldtrust 19,6: 12-13 & 15.
- ROBERTSON, T.C., 1961. Waar die groen valleie tussen berge doodloop. Veldtrust 22,4: 17-18.
- ROBERTSON, T.C., 1962. Agro-economic survey of Southern Rhodesia. Veldtrust 23,1: 23, 25 & 27.
- ROBERTSON, T.C., 1967. New soil map of Rhodesia. Veldtrust 28,2: 8-9.
- ROBERTSON, T.C., 1968. Soil is life. Cape Town: Cape & Transvaal Printers.
- ROBINSON, B.P. & POTTS, R.C., 1950. Seed setting and germination in *Hypparrhenia hirta* (L.) Stapf (South African

- bluestem) as affected by nitrogen, phosphorus and potassium. *Agron. J.* 42: 109-110.
- ROBINSON, D.A., 1953. Land use planning in Native reserves in Southern Rhodesia. *Rhodesia agric. J.* 50: 327-333.
- ROBINSON, E.R. & GIESS, W., 1974. Report on the plants noted on the course of a trip from Luderitz Bay to Spencer Bay, January 10-21, 1974. *Dinteria* 10: 13-17.
- ROBINSON, E.R. & SEELY, M.K., 1975. Some food plants of ostriches in the Namib Desert Park, South West Africa. *Madoqua ser.* 24: 99-100.
- ROBINSON, G., 1966. Some residual hill-slopes in the Great Fish River Basin, South Africa. *Geogr. J.* 132: 387-390.
- ROBINSON, G.A., 1969. The Tsitsikama Coastal National Park, South Africa. *Biol. Conserv.* 2: 72-73.
- ROBINSON, P., 1954. The distribution of plant populations. *Ann. Bot.* 18: 35-45.
- ROBINSON, R.K., 1971. Changes in mycorrhizal flora on roots of *Pinus patula* in Swaziland. *S. Afr. For. J.* 78: 14-15.
- RODEL, M.G., 1952. The effects of different intensities of defoliation on veld and on yields and root development of certain grass species. M.Sc. (Agric.) thesis, University of Natal.
- RODIN, R.J., 1951. Petrified forest in South West Africa. *J. Paleont.* 25: 18-20.
- ROGERS, A.W., 1922. Post-cretaceous climates in South Africa. *S. Afr. J. Sci.* 19: 1-31.
- ROGERS, D.J. & MCALLISTER, H.J., 1969. Preferential grazing by game on a fungus "fairy ring". *J. Wildl. Mgmt* 33: 1034-1036.
- ROGERS, D.J. & MOLL, E.J., 1975. A quantitative description of some coastal forests of Natal. *Bothalia* 11: 523-537.
- ROGERS, F.A., 1909. Provisional list of flowering plants and ferns found in the divisions of Albany and Bathurst. Grahamstown: Guest. pp.21.
- ROGERS, W.E. & NELSON, R.R., 1962. Penetration and nutrition of *Striga asiatica*. *Phytopathology* 52: 1064-1070.
- ROLFE, R.A., 1889. Plants of Matabeleland and Victoria Falls. In Oates, F.(ed.), Matabeleland and the Victoria Falls; a naturalist's wanderings in the interior of South Africa. London: Trench. pp. 433.
- ROOS, J.H., RETHMAN, N.F.G. & KOTZE, G.D., 1973. Preliminary results on species selection by animals on sour grassveld. *Proc. Grassld Soc. sth. Afr.* 8: 77-81.
- ROSE-INNES, R., 1937. Some observations made in reconnaissance through the karoo region and a portion of the southern grassveld. Johannesburg: University of the Witwatersrand.
- ROSE-INNES, R., 1938. Some observations on the nature and causes of secondary succession on certain areas at Frankenswald and in the Highveld of the Transvaal. M.Sc. thesis, University of the Witwatersrand.
- ROSER, R., 1856. *Naturhistorische und medicinische Beobachtungen uber Gnadenhal in Sud-Afrika*. Tubingen. pp. 49.
- ROSS, J.C., 1958a. Ten years of conservation progress. *Veldtrust* 19,11: 16-17, 19 & 29.
- ROSS, J.C., 1958b. A credit balance for conservation. *Veldtrust* 19,12: 12-13, 15 & 30.
- ROSS, J.C., 1963. Soil conservation in South Africa. A review of the problem and developments to date. Pretoria: Government Printer. pp. 84.
- ROSS, J.C., 1965. Soil conservation in South Africa with special reference to control of erosion caused by water. In *Soil erosion by water*, FAO Agricultural Development Paper No. 81, Rome, pp. 226-237.
- ROSS, J.H., 1964. A study of *Acacia caffra* (Thunb.) Willd., *Acacia brevispica* Horns and *Acacia schweinfurthii* Brenan & Exell, in Natal. M.Sc. thesis, University of Natal.
- ROSS, J.H., 1965. Notes on insect infestation in seed of *Acacia caffra* (Thunb.) Willd. in Natal. *Ann. Natal Mus.* 18: 221-226.
- ROSS, J.H., 1966. *Acacia ataxacantha* DC. in Africa, with particular reference to Natal. *Webbia* 21: 629-652.
- ROSS, J.H., 1968a. *Acacia nigrescens* Oliv. in Africa, with particular reference to Natal. *Bolm Soc. broteriana* 42: 181-205.
- ROSS, J.H., 1968b. *Acacia senegal* (L.) Willd. in Africa, with particular reference to Natal. *Bolm Soc. broteriana* 42: 207-240.
- ROSS, J.H., 1968c. *Acacia burkei* Benth. in southern Africa, with particular reference to Natal. *Bolm Soc. broteriana* 42: 275-304.
- ROSS, J.H., 1971a. *Acacia karroo* in southern Africa. *Bothalia* 10: 385-402.
- ROSS, J.H., 1971b. The *Acacia* species in Natal - an introduction to the indigenous species. Natal Branch of Wildlife Protection and Conservation Society of South Africa.
- ROSS, J.H., 1972. The flora of Natal. *Mem. bot. Surv. S. Afr.* No. 39, pp. 418.
- ROSS, J.H., 1973a. An analysis of the flora of Natal. *Bothalia* 11: 103-106.
- ROSS, J.H., 1973b. Notes on *Acacia* species in Southern Africa. 3. *Bothalia* 11: 127-131.
- ROSS, J.H., 1975. Notes on African *Acacia* species. *Bothalia* 11: 443-447.
- ROSS, J.H. & GORDON-GRAY, K.D., 1966a. *Acacia brevispica* and *Acacia schweinfurthii* (Leguminosae) in Africa, with particular reference to Natal. *Brittonia* 18: 44-63.
- ROSS, J.H. & GORDON-GRAY, K.D., 1966b. *Acacia caffra* (Thunb.) Willd. (Leguminosae) with particular reference to Natal, South Africa. *Brittonia* 18: 267-281.
- ROSS, J.H. & MOLL, E.J., 1972. A list of Natal Trees. Natal Branch of Wildlife Protection and Conservation Society of South Africa.
- ROSS, J.H. & MORRIS, J.W., 1971. Principal components analysis of *Acacia burkei* and *A. nigrescens* in Natal. *Bothalia* 10: 437-450.
- ROTH, H.H., 1966. Game utilization in Rhodesia in 1964. *Mammalia* 30: 297-423.
- ROTHWELL, A., 1975. A revised list of plant diseases in Rhodesia - additions, 1966-72. *Kirkia* 10: 297-307.
- ROURKE, J.P., 1972. Taxonomic studies on *Leucospermum*. *Jl S. Afr. Bot. suppl.* 8: 172-176.
- ROUSSEAU, F., 1970. The Proteaceae of South Africa. Cape Town: Purnell. pp. 110.
- ROUX, E., 1946. The veld and the future. Cape Town: The African Bookman. pp. 59.
- ROUX, E., 1956. The science of ecology. *Veldtrust* 17,6: 8-9.
- ROUX, E., 1969. Grass, a story of Frankenswald. Cape Town: Oxford University Press. pp. 212.
- ROUX, E.R., 1929. Observations on *Marsilea macrocarpa* Presl. *S. Afr. J. Sci.* 26: 311-317.
- ROUX, E.R., 1953. The nitrogen sensitivity of *Eragrostis curvula* and *Trachypogon plumosus* in relation to grassland succession. *S. Afr. J. Sci.* 50: 173-176.
- ROUX, E.R., 1961. History of the introduction of Australian Acacias to the Cape Flats. *S. Afr. J. Sci.* 57: 99-102.
- ROUX, E.R., 1963. The veld and the future. Johannesburg: Witwatersrand University Press.
- ROUX, E.R., 1964. The Australian Acacias in southern Africa. In Davis, D.H.S. (ed.), *Ecological studies in southern Africa*, pp. 137-142. The Hague: Junk.
- ROUX, E.R., 1965. Salt tolerance in four invasive exotic Acacias of the Cape Peninsula. *S. Afr. J. Sci.* 61: 438.
- ROUX, E.R., 1970. Plant succession on Iron Age sites at Melville Koppies (Johannesburg). *S. Afr. J. Sci.* 66: 48-50.
- ROUX, E.R. & MARAIS, C.C.G., 1964. Rhizobial nitrogen fixation in some South African acacias. *S. Afr. J. Sci.* 60: 203-204.
- ROUX, E.R. & MIDDLEMISS, E., 1963. The occurrence and distribution of *Acacia cyanophylla* and *A. cyclops* in the Cape Province. *S. Afr. J. Sci.* 59: 286-294.
- ROUX, E.R. & WARREN, M., 1963. Plant succession on abandoned fields in central Oklahoma and in the Transvaal highveld. *Ecology* 44: 576-579.
- ROUX, E.R. & WARREN, T.L., 1963. Symbiotic nitrogen fixation in *Acacia cyclops*. *S. Afr. J. Sci.* 56: 294.
- ROUX, P.W., 1953. The Noorsveld. *Fmg S. Afr.* 28: 227-231.
- ROUX, P.W., 1960. *Tetrachne dregei* Nees: fruit production, germination and survival of seedlings. M.Sc. thesis, University of Natal.
- ROUX, P.W., 1964. The disc chart will help you manage your veld. *Fmg S. Afr.* 40,1: 25-31.
- ROUX, P.W., 1966. Die uitwerking van seisoensreënval en beweidings op gemengde karooiveld. *Proc. Grassld Soc. sth. Afr.* 1: 103-110.
- ROUX, P.W., 1967. Die onmiddellike uitwerking van intensiewe beweidings op gemengde Karooiveld. *Proc. Grassld Soc. sth. Afr.* 2: 83-90.

- ROUX, P.W., 1968a. Principles of veld management in the Karoo and the adjacent sweet-grass veld. In Hugo, W.J. (ed.), The small stock industry in South Africa, pp. 318-340. Pretoria: Department of Agricultural Technical Services.
- ROUX, P.W., 1968b. The autecology of *Tetrachne dregei* Nees. Ph. D. thesis, University of Natal.
- ROUX, P.W. & DE KOCK, D.G.C., 1971. Benutting van *Kochia brevifolia* deur skape. Proc. Grassld Soc. sth. Afr. 6: 108-117.
- ROWLAND, J.W., 1933. Notes on the study of plant successions imposed by grazing. S. Afr. J. Sci. 30: 307-316.
- ROWLAND, J.W., 1937a. Aims and techniques of Sour Veld management experiments. S. Afr. J. Sci. 33: 611-616.
- ROWLAND, J.W., 1937b. Some factors influencing range management in Union of South Africa. Int. Grassld Cong. 4: 118-123.
- ROWLAND, J.W., 1937c. Grazing management. Bull. Dep. Agric. For. Un. S. Afr. No. 168, pp. 26.
- ROWLAND, J.W., 1938a. Investigations into the productivity and management of the natural veld and permanent pasture on a certain soil type in the Pretoria district. Sci. Bull. Un. S. Afr. Dep. Agric. & For. No. 203, pp. 197.
- ROWLAND, J.W., 1938b. Pasture research in South Africa. Prog. Rep. Past. Res. S. Afr. No. 1, pp. 6-9.
- ROWLAND, J.W., 1948a. Principles of grassveld utilization. Fmg S. Afr. 23: 486-494.
- ROWLAND, J.W., 1948b. Pasture research objectives for the semi-arid regions. Fmg S. Afr. 23: 498-503.
- ROWLAND, J.W. & HECTOR, J.M., 1932. Pasture studies I - a preliminary analysis of the grazing conditions on a Potgietersrust farm. S. Afr. J. Sci. 29: 338-350.
- RUSHWORTH, J.E., 1975. The floristic, physiognomic and biomass structure of Kalahari sand shrub vegetation in relation to fire and frost in Wankie National Park. M.Sc. thesis, University of Rhodesia.
- RUSSELL, E.J., 1932. Soil conditions and plant growth. London: Longmans.
- RUTHERFORD, M.C., 1972a. Notes on the flora and vegetation of the Omurumbe Plateau - Mountain, Waterberg, South West Africa. Dinteria 7: 3-55.
- RUTHERFORD, M.C., 1972b. Table of occurrence of vascular plant spp. in the 5 zones of the Omurumbe Plateau-Mountain. Dinteria 8: 14-29.
- RUTHERFORD, M.C., 1975. Aspects of ecosystem function in a woodland savanna in South West Africa. Ph.D. thesis, University of Stellenbosch.
- RYCROFT, H.B., 1941. The plant ecology of the Karkloof Forest, Natal. M.Sc. thesis, University of South Africa.
- RYCROFT, H.B., 1944. The Karkloof Forest, Natal. Jl S. Afr. For. Ass. No. 11, pp. 14-25.
- RYCROFT, H.B., 1947. A note on the immediate effects of veld burning on streamflow in a Jonkershoek stream catchment. Jl S. Afr. For. Ass. No. 15, pp. 80-88.
- RYCROFT, H.B., 1951. A quantitative ecological study of the vegetation of Biesievel catchment, Jonkershoek. Ph.D. thesis, University of Cape Town.
- RYCROFT, H.B., 1955. The effect of riparian vegetation on water-loss from an irrigation furrow at Jonkershoek. Jl S. Afr. For. Ass. No. 26, pp. 2-9.
- RYCROFT, H.B., 1956. Saving our flora. J. bot. Soc. S. Afr. 41/42: 13-15.
- RYCROFT, H.B., 1968. Cape Province. Acta phytogeogr. succ. 54: 235-239.
- RYCROFT, H.B. & WICHT, C.L., 1948. Field trials of *Pinus pinaster* in South Africa. Jl S. Afr. For. Ass. No. 16, pp. 55-66.
- RYKE, P., 1968. Toegepaste ekologie. Spectrum 6: 497-502.
- SAID, H., 1948. The effect of stem-ringing on the daily march of stomatal rhythm in *Kalanchoe* Leaves. New Phytol. 47: 288-289.
- SAID, H. & TOLBA, M.K., 1948. The effect on stomatal behaviour of detaching leaves of *Kalanchoe* and *Mesembryanthemum* at different times of the day. New Phytol. 47: 284-287.
- SALBANY, A., 1948. Ecological and conservation studies in the Magaliesberg area: a further contribution. M.Sc. thesis, University of the Witwatersrand.
- SALISBURY, E.J., 1952. Natural selection and plant invasion. S. Afr. J. Sci. 49: 115-119.
- SALISBURY, F.S., 1919. Naturalized plants of Albany and Bathurst. Rec. Albany Mus. 3: 162-177.
- SALMON, R.C., 1965. Release of non-exchangeable potassium from some Rhodesian soils cropped with grass. J. agric. Sci., Camb. 65: 135-138.
- SAMPSON, C.G., 1962. The Cape Hangklip Main Site. J. scient. Soc. Univ. Cape Town 5: 24-31.
- SANDER, C.J., 1970. Opbrengsbepaling van veld met 'n elektroniese kapasiteitsinstrument. Proc. Grassld Soc. sth. Afr. 5: 132-136.
- SANDER, C.L. & GROBLER, J.H., 1966. Invloed van katioonuitruilings-kapasiteit en uitruilbare katione van kleisuspensies op die wortel- en stengelontwikkeling van mieliesaaillinge. S. Afr. Tydskr. Landbouwet. 9: 539-546.
- SARCCUS, 1975. The distribution of presently protected areas in relation to the need for conservation of representative areas of unique biotic communities in central and Southern Africa. Pretoria: SARCCUS.
- SARDINHA, A.M., 1964. Reserva florestal do Luena Plano provisório da exploração. Agronomia angol. 19: 108.
- SARDINHA, A.M., 1968. Breves considerações sobre o momento florestal. Agronomia angol. 27: 87-104.
- SAUNDER, D.H., 1964. Exploring the potential of Rhodesian soils. Proc. Trans. Rhod. scient. Ass. 50: 16-28.
- SAUNDERS, A.R., 1936. Reclamation of witchweed-infested lands by planting grasses. Fmg S. Afr. 11: 96 & 127.
- SAVORY, B.M., 1961a. The occurrence of thickets and chipyas. For. Newsl. Nth. Rhod. 65: 14-17.
- SAVORY, B.M., 1961b. The occurrence of thickets and chipyas. For. Newsl. Nth. Rhod. 67: 9-12.
- SAVORY, B.M., 1963. Site quality and tree root morphology in Northern Rhodesia. Rhod. J. agric. Res. 1: 55-64.
- SAVORY, C.A.R., 1969. Crisis in Rhodesia. Oryx 10: 25-30.
- SAWER, E.R., 1912. Cedara memoirs on South African agriculture. 3 vols. Pietermaritzburg. pp. 343, 373 & 249.
- SAXTON, W.T., 1918. Oecological notes on the district of Manubie, Transkei. Trans. R. Soc. S. Afr. 6: 37-45.
- SCHANK, S.C., 1966. Agronomic and cytotoxic comparisons between *Digitaria decumbens* and *D. pentzii* (Gramineae). Crop Sci. 6: 82-83.
- SCHANTZ, H.L. & TURNER, B.L., 1958. Photographic documentation of vegetational changes in Africa over a third of a century. College of Agriculture Report 169, University of Arizona, Tuscon. pp. 158.
- SCHEEPERS, J.C., 1966. An ecological and floristic account of the vegetation of Westfalia Estate on the north-eastern Transvaal escarpment. M.Sc. thesis, University of Pretoria.
- SCHEEPERS, J.C., 1969. A preliminary assessment of association-analysis in the Kroonstad area. Proc. Grassld Soc. sth. Afr. 4: 78-83.
- SCHEEPERS, J.C., 1973a. Investigation of applicability of satellite imagery to vegetation mapping at 1:1 000 000 scale in the eastern Transvaal escarpment area. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 12.
- SCHEEPERS, J.C., 1973b. Investigation of applicability of satellite imagery to vegetation mapping at 1:500 000 scale in eastern Transvaal escarpment area. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 57-60.
- SCHEEPERS, J.C., 1975. The plant ecology of the Kroonstad and Bethlehem areas of the Highveld Agricultural Region. D.Sc. thesis, University of Pretoria.
- SCHEEPERS, J.C. & JARMAN, N.G., 1973. The identification and mapping of regional/ecological types on the Highveld Grassland (Test site D). In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 14-19.
- SCHEEPERS, J.C., VAN DER SCHIJFF, H.P. & KEET, J.D.M., 1968. An ecological account of the *Trema* plantations of Westfalia Estate. Tydskr. Natuurwet. 8: 105-120.

- SCHELPE, E.A.C.L.E., 1943. The plant ecology of the Cathedral Peak area. J. Natal Univ. Coll. scient. Soc. 3: 21-27.
- SCHELPE, E.A.C.L.E., 1946. The plant ecology of the Cathedral Peak area. M.Sc. thesis, University of Natal. pp. 185.
- SCHELPE, E.A.C.L.E., 1950. Observations on the ecology of the South African Umbilicariaceae. JI S. Afr. Bot. 16: 39-54.
- SCHELPE, E.A.C.L.E., 1953. The distribution of Bryophytes in the Natal Drakensberg, South Africa. Revue bryol. lichen 22: 86-90.
- SCHELPE, E.A.C.L.E., 1954. The *Cheilanthes multifida* complex in southern Africa. JI S. Afr. Bot. 20: 127-136.
- SCHELPE, E.A.C.L.E., 1956. Distributional, ecological & phytogeographical observations on the ferns of South West Africa. JI S. Afr. Bot. 22: 5-22.
- SCHELPE, E.A.C.L.E., 1961a. The ecology of *Salvinia auriculata* and associated vegetation on Kariba Lake. JI S. Afr. Bot. 27: 181-188.
- SCHELPE, E.A.C.L.E., 1961b. South African epiphytic orchids. 1. J. bot. Soc. S. Afr. 47: 15-18.
- SCHELPE, E.A.C.L.E., 1962. An annotated check-list of the epiphytic orchids of South Africa with keys to the genera and species. JI S. Afr. Bot. 28: 279-286.
- SCHELPE, E.A.C.L.E., 1964. Pteridophyta collected on an expedition to northern Mocambique. JI S. Afr. Bot. 30: 177-200.
- SCHELPE, E.A.C.L.E., 1966a. An introduction to the South African orchids. London: MacDonald, pp. 109.
- SCHELPE, E.A.C.L.E., 1966b. The Pteridophyta of Gorongosa Mountain, southern Mozambique. Bolm Soc. broteriana 40: 149-179.
- SCHELPE, E.A.C.L.E., 1968a. Contributions to the flora of Rhodesia. 11. Pteridophyta. Bot. Notiser 121: 361-382.
- SCHELPE, E.A.C.L.E., 1968b. Pteridophyta collected in Angola by Messrs Leach & Cannell. Bolm Soc. broteriana 42: 249-261.
- SCHELPE, E.A.C.L.E., 1969a. Reviews of tropical African Pteridophyta. 1. Contr. Bolus Herb. 1: 1-132.
- SCHELPE, E.A.C.L.E., 1969b. A revised check-list of the Pteridophyta of Southern Africa. JI S. Afr. Bot. 35: 127-140.
- SCHELPE, E.A.C.L.E., 1970. A provisional check-list of the Bryophyta of the Cape Peninsula. Contr. Bolus Herb. 2: 49-70.
- SCHELPE, E.A.C.L.E., 1974. Tree ferns in Southern Africa. Veld & Flora 4: 12-14.
- SCHELPE, E.A.C.L.E. & ALSTON, A.H.G., 1952. An annotated check-list of the Pteridophyta of southern Africa. JI S. Afr. Bot. 18: 153-176.
- SCHENCK, A., 1903. Sudwest-Afrika. Vegetationsbilder 1: 25-30.
- SCHIMPER, A.F.W., 1903. Plant geography upon a physiological basis. Oxford: Clarendon Press. pp. 839.
- SCHINZ, H., 1887. Durch Sudwestafrika. Verh. Ges. Erdk. Berl. 14: 322-324.
- SCHINZ, H., 1888. Beitrage zur Kenntnis der Flora von Deutsch-Sudwestafrika und der angrenzenden Gebiete. Verh. bot. Ver. Prov. Brandenb. 29: 44-64 & 30: 138-186 & 229-276.
- SCHINZ, H., 1891a. Deutsch-Sudwest-Afrika. Forschungsreisen durch die deutschen Schutzgebiete Gross-Nama- und Hereroland, nach dem Kunene, dem Ngami-see und der Kalahari 1884-1887. Oldenburg: Schulztesche Hof-Buchhandlung, pp. 568.
- SCHINZ, H., 1891b. Observations sur une collection de plantes du Transvaal. Bull. Soc. bot. Geneve 6: 65-72.
- SCHINZ, H., 1892. Zur Kenntnis afrikanischer Gentianaceen. Vjschr. Naturf. Ges. Zurich 37: 306-339.
- SCHINZ, H., 1905. Plantae Menyharthianae: ein Beitrag zur kenntnis der flora des unteren Sambesi. Denkschr. Akad. Wiss., Wien. 78: 367-445.
- SCHINZ, H., 1911. Deutsch-Sudwest-Afrika in botanischer Beziehung. 1. Vjschr. Naturf. Ges. Zurich 56: 51-109.
- SCHINZ, H., 1936. Plantas Menyharthianas. 2. Contribuicao para o estudo da flora do Zambeze inferior. Bolm Soc. Estud. Mocamb. 5,29: 39-55.
- SCHINZ, H. & JUNOD, H., 1898. Pflanzenwelt der Delagoa Bay. Bull. Herb. Boissier 7: 870-892.
- SCHINZ, H. & JUNOD, H., 1900. Pflanzenwelt der Delagoa Bay. Mem Herb. Boissier 10: 25-79.
- SCHINZ, H. & JUNOD, H., 1903. Pflanzenwelt der Delagoa Bay. Bull. Herb. Boissier ser 2,3: 653-662.
- SCHLECHTER, R., 1894a. Contribution to South African Asclepiadology. J. Bot., Lond. 32: 257-263 & 353-358.
- SCHLECHTER, R., 1894b. Beitrage zur kenntnis sudafrikanischer Asclepiadaceen. Bot. Jb. suppl. No. 18, pp. 37.
- SCHLECHTER, R., 1895a. Beitrage zur kenntnis neuer und kritischer Orchideen aus sudafrika. Bot. Jb. suppl. No. 20, pp. 44.
- SCHLECHTER, R., 1895b. Beitrage zur Kenntnis Sudafrikanischer Asclepiadeen. 3. Bot. Jb. suppl. No. 20, pp. 56.
- SCHLECHTER, R., 1895c. Contribution to South African Asclepiadology. J. Bot., Lond. 33: 267-274 & 353-359.
- SCHMIDT, M., 1963. Die Wasserwirtschaft Sudwest-Afrikas. Wasserwirtschaft, Stuttg. pp. 225-232.
- SCHMIDT-EISENLOHR, W.F., 1967. Beziehungen zwischen oberflachengestalt, klima und vegetation von Noord-Transvaal. Erdkunde 21: 12-25.
- SCHOEMAN, F.R., 1969. Diatoms from Orange Free State (South Africa) and Lesotho. Revta Biol., Lib. 7: 35-74.
- SCHOEMAN, F.R., 1970a. Diatoms from the Orange Free State, South Africa, and Lesotho. 1. Beih. Nova Hedwigia 31: 331-353.
- SCHOEMAN, F.R., 1970b. Diatoms from the Orange Free State (South Africa) and Lesotho. 3. Botanica mar. suppl. 13: 49-72.
- SCHOEMAN, F.R., 1972a. Diatoms from sewage works in the Republic of South Africa and South West Africa. Revta Biol., Lib. 8,1/4: 57-94.
- SCHOEMAN, F.R., 1972b. A further contribution to the diatom flora of sewage-enriched waters in Southern Africa. Phycologia 11: 239-245.
- SCHOEMAN, H.M., 1970. Enkele aspekte van die reenval van die Suidosteelike Transvaal wes van die eskarpment. M.Sc. thesis, University of Stellenbosch.
- SCHOEMAN, J.L., 1972. The soils as basis for agricultural development in the Orange catchment area: the soils of the Broekspruit sub-catchment area. Agric. Res., Pretoria, pp. 15-17.
- SCHOEMAN, N.S., 1937. Sward density and weed invasion of Woolly Finger (Pretoria Small) pastures under different grazing treatments. S. Afr. J. Sci. 34: 218-223.
- SCHOEMAN, S.L., 1939. Investigations on 1. The viable seed content of the veld and 2. The effect of seasonal grazing and cutting on the top growth and the root systems of natural veld and certain indigenous species. M.Sc. thesis, University of Pretoria.
- SCHOLZ, H., 1968a. Die Boden der Wüste Namib, Sudwestafrika. Z. Pflernähr. Dung. Bodenk. 119,2: 91-107.
- SCHOLZ, H., 1968b. Die Boden der Halbwüste Sudwestafrikas. Z. Pflernähr. Dung. Bodenk. 120: 105-118.
- SCHOLZ, H., 1968c. Die Boden der trockenen Savanne Sudwestafrikas. Z. Pflernähr. Dung. Bodenk. 120: 118-130.
- SCHOLZ, H., 1968d. Boden der Feuchten Savanne Sudwestafrikas. Z. Pflernähr. Dung. Bodenk. 120: 208-221.
- SCHOLZ, H., 1972. The soils of the central Namib Desert with special consideration of the soil in the vicinity of Gobabeb. Madoqua ser. 2,1: 33-51.
- SCHONAU, A.P.G., 1969. A site evaluation study in Black Wattle. Annale Univ. Stellenbosch Serie A 44,2: 79-214.
- SCHONFELDER, E., 1935. Sudost-Angola und der westliche Caprivi-Zipfel. Petermanns geogr. Mitt., pp. 49-52 & 87-89.
- SCHONKEN, J.D., 1924. Desiccation and how to measure it. S. Afr. J. Sci. 21: 131-148.
- SCHONKEN, J.D., 1925. Effective rainfall. S. Afr. J. Sci. 22: 96-103.
- SCHONKEN, J.D., 1930. The state of our natural water supply. S. Afr. J. Sci. 27: 201-212.
- SCHONKEN, J.D., 1931. Plant life and the desiccation process. S. Afr. J. Sci. 28: 238-245.
- SCHONLAND, S., 1907a. The flowering plants found in the districts of Albany and Bathurst, Cape Colony. Rec. Albany Mus. 2: 98-136.
- SCHONLAND, S., 1907b. A study of some of the facts and theories bearing upon the question of the origin of the Angiospermous flora of South Africa. Trans. S. Afr. phil. Soc. 18: 321-367.
- SCHONLAND, S., 1908. The origin of the flora of South Africa.

- Rep. S. Afr. Ass. Advmt Sci. 5: 105-109.
- SCHONLAND, S., 1909. A study of some facts and theories bearing upon the question of the origin of the Angiospermous flora of South Africa. S. Afr. J. Sci. 17: 51-64.
- SCHONLAND, S., 1910a. On the absorption of water by the aerial organs of some succulents. Trans. R. Soc. S. Afr. 1: 395-401.
- SCHONLAND, S., 1910b. On some flowering plants from the neighbourhood of Port Elizabeth. Trans. R. Soc. S. Afr. 1: 441-446.
- SCHONLAND, S., 1919a. Phanerogamic flora of Uitenhage and Port Elizabeth. Mem. bot. Surv. S. Afr. No. 1, pp. 118.
- SCHONLAND, S., 1919b. A summary of the distribution of the genera of South African flowering plants with special reference to those found in the divisions of Uitenhage and Port Elizabeth. Trans. R. Soc. S. Afr. 7: 19-58.
- SCHONLAND, S., 1922. Introduction to South African Cyperaceae. Mem. bot. Surv. S. Afr. No. 3, pp. 72.
- SCHONLAND, S., 1924. On the theory of age and area. Ann. Bot. 38: 453-472.
- SCHONLAND, S., 1927a. The reclamation of ruined pasturage on the Amatolas, near Keiskama Hoek. Sci. Bull. Dep. Agric. Un. S. Afr. No. 55, pp. 15.
- SCHONLAND, S., 1927b. Spinosity of plants. S. Afr. J. nat. Hist. 6: 101-107.
- SCHONLAND, S., 1929. Materials for a critical revision of Crassulaceae. (The South African species of the genus *Crassula* L.). Trans. R. Soc. S. Afr. 17: 151-293.
- SCHONLAND, S., 1930. The South African species of *Rhus* L. Bothalia 3: 3-115.
- SCHOONRAAD, E., 1973a. Enkele morfologiese aspekte van die *Podocarpus*-soorte van die Tsitsikama-bos en -seekus Nasionale Parke. Koedoe 16: 59-75.
- SCHOONRAAD, E., 1973b. Die verspreiding van die genus *Podocarpus* L'Herit. ex Pers. in Suid Afrika en die morfologie van die hout. Tydsk. Natuurwet. 13: 116-141.
- SCHREIBER, A., 1963. Die Gattung *Zygophyllum* L. in Sudwestafrika. Mitt. bot. StSamml. Münch. 5: 49-114.
- SCHROTER, C., 1928. Über die vegetation von Sudafrika. Verh. schweiz. naturf. Ges. 109: 194-195.
- SCHULTZ-BIPONT, C.H., 1944. Compositae Kraussianae capensis-natalenses. vel Enumeratio compositarum m a. cl. Dr F. Krauss annis 1838-40 in territorio capensi et natalensi. Flora 2: 1-44.
- SCHULTZE, L., 1907. Aus Namaland und Kalahari. Jena: Fisher. pp. 7521.
- SCHULZ, H.K., 1962. Rodent control in Sabie forests. S. Afr. J. Sci. 58: 161-174.
- SCHULZE, B.R., 1947. The climates of South Africa according to the classifications of Köppen and Thornthwaite. S. Afr. geogr. J. 29: 32-42.
- SCHULZE, B.R., 1958. The climate of South Africa according to Thornthwaite's rational classification. S. Afr. geogr. J. 40: 31-53.
- SCHULZE, B.R., 1965. Climate of South Africa. Part 8. General survey. Pretoria: Department of Transport, Weather Bureau, WB 28, pp. 330.
- SCHUMANN, T.E.W. & HOFMEYER, W.L., 1938. The partition of a region into rainfall districts with special reference to South Africa. Q. J. R. met. Soc. 64: 5-10.
- SCHUMANN, T.E.W. & THOMPSON, W.R., 1934. A study of South African rainfall: seasonal variations and agricultural aspects. Pubs Univ. Pretoria Ser. 1, No. 28, pp. 46.
- SCHUTTE, K.H., 1953. *Hakea* eradication. J. S. Afr. For. Ass. 23: 30-36.
- SCHUTTE, K.H., 1954. A survey of plant minor element deficiencies in Africa. Sols afr. 3,2: 45-50.
- SCHUTTE, K.H., 1958. Plants and their micro-climates. S. Afr. J. Sci. 54: 28.
- SCHUTTE, K.H., 1960. Trace element deficiencies in Cape vegetation. J. S. Afr. Bot. 26: 45-49.
- SCHUTTE, K.H., 1965. A rapid and simple method for measuring the evaporating power of the air. J. S. Afr. Bot. 31: 127-131.
- SCHUTTE, K.H. & ELSWORTH, J.F., 1954. The significance of large pH fluctuations observed in some South African vleis. J. Ecol. 42: 148-150.
- SCHUTTE, K.H., STEYN, R. & VAN DER WESTHUIZEN, M., 1967. Crassulacean acid metabolism in South African succulents: a preliminary investigation into its occurrence in various families. J. S. Afr. Bot. 33: 107-110.
- SCHUURMAN, C.J., 1948. Conservation of our veld and soil. Fmg S. Afr. 23: 291-292.
- SCHUURMAN, J.F.M., 1932. A seasonal study of the microflora and microfauna of Florida Lake, Johannesburg, Transvaal. Trans. R. Soc. S. Afr. 20: 333-386.
- SCHWARZ, E.H.L., 1906. South African palaeozoic fossils. Rec. Albany Mus. 1: 347-404.
- SCHWARZ, E.H.L., 1920. The Kalahari or thirstland redemption. Cape Town: Maskew Miller, pp. 163.
- SCHWARZ, E.H.L., 1923. The Kalahari scheme as the solution of the South African drought problem. S. Afr. J. Sci. 20: 208-221.
- SCHWEICKERDT, H.G., 1933. A preliminary account of the vegetation in the neighbourhood of the Zoutpan in the Northern Transvaal. S. Afr. J. Sci. 30: 270-279.
- SCHWEICKERDT, H.G., 1934. A short account of the succulent flora of the Transvaal. Cactus J. 3: 30-31.
- SCHWEICKERDT, H.G., 1935. A short account of the succulent flora of the Transvaal. Cactus J. 4: 41-47.
- SCHWEICKERDT, H.G., 1937a. An account of the South African species of *Tribulus* Tourn. ex Linn. Bothalia 3: 159-178.
- SCHWEICKERDT, H.G., 1937b. Newly recorded genera of South African flowering plants. S. Afr. J. Sci. 33: 327-329.
- SCHWEICKERDT, H.G., 1940. Beitrag zur kenntnis der Gramineae von Sudafrika. Notizbl. bot. Gart. Mus. Berl. 14: 192-200.
- SCOTNEY, D., 1971. Soils and land use planning in the Howick extension area. Ph.D. thesis, University of Natal.
- SCOTNEY, D.M., 1971. Land capability classification - a basis for farm conservation planning. Proc. Grassld Soc. sth. Afr. 6: 101-107.
- SCOTT, J.D., 1937. The possibilities of reseeding damaged veld and old lands. S. Afr. J. Sci. 33: 617-624.
- SCOTT, J.D., 1939. A preliminary report on methods of thorn scrub eradication. S. Afr. J. Sci. 36: 224.
- SCOTT, J.D., 1945. Major veld types of Natal. Fmg S. Afr. 20: 495-500.
- SCOTT, J.D., 1947. Veld management in South Africa. Bull. Dep. Agric. Un. S. Afr. No. 278, pp.40.
- SCOTT, J.D., 1948. Veld and pasture management in Natal high rainfall areas. Fmg S. Afr. 23: 607-614.
- SCOTT, J.D., 1949. A contribution to the study of the Drakensberg Conservation Area. D.Sc. thesis, University of the Witwatersrand.
- SCOTT, J.D., 1951a. Conservation of vegetation in South Africa. In Management and conservation of vegetation in Africa. Bull. Commonw. Bur. Past. fld Crops 41, pp. 9-27.
- SCOTT, J.D., 1951b. A contribution to the study of the problems of the Drakensberg conservation area. Sci. Bull. Dep. Agric. Un. S. Afr. No. 324, pp. 170.
- SCOTT, J.D., 1952a. The application of the basic principles of veld management in farm planning. S. Afr. J. Sci. 48: 198-200.
- SCOTT, J.D., 1952b. The management of range pastures (veld) in Africa. Int. Grassld Congr. 6: 477-483.
- SCOTT, J.D., 1955a. Principles of pasture management. In Meredith, D. (ed.), The grasses and pastures of South Africa, pp. 601-623. Johannesburg: Central News Agency.
- SCOTT, J.D., 1955b. Pasture plant for special purposes. In Meredith, D. (ed.), The grasses and pastures of South Africa, pp. 653-666. Johannesburg: Central News Agency.
- SCOTT, J.D., 1956. The study of the primordial buds and the reaction of roots and defoliation as a basis of grassland management. Int. Grassld Congr. 7: 479-487.
- SCOTT, J.D., 1959. Price of veld burning. Farmer's Weekly, Bloemfontein, 29 July, p. 81.
- SCOTT, J.D., 1966a. Pasture research in Natal. Proc. Grassld Soc. sth. Afr. 1: 27-32.
- SCOTT, J.D., 1966b. To keep the thornbush at bay. Farmer's Weekly, Bloemfontein, 3 Aug. p. 45.
- SCOTT, J.D., 1966c. Veld burning in South Africa. Afr. wild Life 20: 93-102.
- SCOTT, J.D., 1967a. Advances in pasture work in South Africa. Part 1. Veld. Herb. Abstr. 37: 1-9.

- SCOTT, J.D., 1967b. Advances in pasture work in South Africa. Part 2. Cultivated pastures. *Herb. Abstr.* 37: 159-167.
- SCOTT, J.D., 1967c. Bush encroachment in South Africa. *S. Afr. J. Sci.* 63: 311-314.
- SCOTT, J.D., 1968. The menace of bush encroachment. *Farmer's Weekly*, Bloemfontein 15, Feb, pp. 26-29.
- SCOTT, J.D., 1970a. A basis for planned conservation farming. *S. Afr. J. Sci.* 66: 312-315.
- SCOTT, J.D., 1970b. Pros and cons of eliminating veld burning. *Proc. Grassl Soc. sth. Afr.* 5: 23-26.
- SCOTT, J.D., 1972. Veld burning in Natal. In: *Fire in Africa*. *Proc. Ann. Tall. Timbers Fire Ecol. Conf.* 11: 33-51.
- SCOTT, J.D., 1975. Pasture research in Southern Africa in retrospect and prospect. *Rhodesia agric. J.* 72: 23-27.
- SCOTT, J.D. & BOOYSEN, P. DE V., 1956. Effects of certain fertilizers on veld at Ukulinga. *S. Afr. J. Sci.* 52: 240-243.
- SCOTT, J.D. & RABIE, J.W., 1956. Preliminary studies on growth and development of *Eragrostis curvula* and *Themeda triandra*. *S. Afr. J. Sci.* 52: 207-210.
- SCOTT, J.D. & VAN BREDA, N.G., 1937a. Preliminary studies on the root system of *Galenia africana* on the Worcester Veld Reserve. *S. Afr. J. Sci.* 34: 268-274.
- SCOTT, J.D. & VAN BREDA, N.G., 1939. Preliminary studies on the root systems of *Euphorbia mauritanica*, *E. burmannii* and *Ruschia multiflora* on the Worcester Veld Reserve. *S. Afr. J. Sci.* 36: 227-235.
- SCOTT, J.D., WEST, O., BEHR, G.F. & PENTZ, J.A., 1940. Tabamhlope Pasture and Reclamation Research Station. *Prog. Rep. Past. Res. S. Afr. No. 2*, pp. 357-370.
- SCOTT, J.D., WEST, O. & PENTZ, J.A., 1938. Estcourt and Tabamhlope Pasture and Reclamation Research Station. *Prog. Rep. Past. Res. S. Afr. No. 1*, pp. 153-161.
- SCOTT, J.D., WEST, O., WARD COX, R.S.H. & PENTZ, J.A., 1940. Estcourt Pasture and Reclamation Research Station. *Prog. Rep. Past. Res. S. Afr. No. 2*, pp. 315-356.
- SCOTT, K.M.F., ALLANSON, B.R. & CHUTTER, F.M. (eds), 1971. Orange River project: working group for ORP-hydrobiology of the Fish and Sundays Rivers. CSIR Res. Rep. No. 306, pp. 61.
- SCOTT, K.M.F., HARRISON, H.D. & MACNAE, W., 1952. The ecology of South African estuaries. Part 2. The Klein-River estuary. *Hermanus. Trans. R. Soc. S. Afr.* 33: 283-331.
- SCOTT, M.H., 1927. Notes on the characteristics and minute structure of thirty woods indigenous to South Africa. *S. Afr. J. Sci.* 24: 298-317.
- SCOTT, M.H., 1929. Notes on exotic coniferous timbers grown in South Africa. *S. Afr. J. Sci.* 26: 258-276.
- SCOTT, M.H., 1949. Weights of timbers used in South Africa with a list of their standard and common names. *Jl S. Afr. For. Ass. No. 17*, pp. 75-112.
- SCOTT, M.H., 1950. Notes on important African timbers imported into the Union with special reference to Portuguese East Africa. *Jl S. Afr. For. Ass. No. 19*, pp. 18-62.
- SCOTT, S.R., 1974. Witteklip Forest. *Trees S. Afr.* 26: 30-39.
- SCOTT-ELLIOT, G.F., 1890. Ornithophilous flowers in South Africa. *Ann. Bot.* 4: 265-280.
- SCOTT-ELLIOT, G.F., 1891. Notes on the regional distribution of the Cape flora. *Trans. Proc. bot. Soc. Edinb.* 18: 241-251.
- SCOTT-ELLIOT, G.F., 1905. Acacias in various places: a study in associations. *Trans. Proc. bot. Soc. Edinb* 32: 13-37.
- SEAGRIEF, S.C., 1950. Studies in the plant ecology of Fern Kloof near Grahamstown. M.Sc. thesis, Rhodes University, pp. 89.
- SEAGRIEF, S.C., 1962. The Lukanga swamps - Northern Rhodesia. *Jl S. Afr. Bot.* 28: 3-7.
- SEAGRIEF, S.C., 1965. Establishment of *Podocarpus latifolius* R. Br. in blackwood plantations at the Hogsback. *S. Afr. J. Sci.* 61: 433-437.
- SEAGRIEF, S.C., 1967. The seaweeds of the Tsitsikama Coastal National Park. National Parks Board, South Africa, pp. 147.
- SEAGRIEF, S.C. & DRUMMOND, R.B., 1958. Some investigations on the vegetation of the north-eastern part of Makari salt pan, Bechuanaland. *Proc. Trans. Rhod. scient. Ass.* 46: 103-133.
- SEAGRIEF, S.C. & TROUGHTON, S.C., 1973. A guide to the literature on South African marine algae. *Jl S. Afr. Bot.* 39: 95-109.
- SEINER, F., 1909. Ergebnisse einer Beseisungzwischen Okawango und Sambesi (Caprivi- Zipfel) in den jahren 1905 und 1906. *Mitt. dt. Schutzgeb.* 22: 1-112.
- SEINER, F., 1910. Trockensteppen der nordlichen und mittleren Kalahari. *Vegetationsbilder* 8: 1-6.
- SEINER, F., 1911. Pflanzengeographische Beobachtungen in der Mittel-Kalahari. *Bot. Jb.* 46: 1-50.
- SEMPLE, A.T., 1971. Grassland improvement in Africa. *Biol. Conserv.* 3: 173-180.
- SERFONTEIN, J., 1961. *Ekologiesie studies van litjies-kaktus (Opuntia aurantiaca Lindley)*. M.Sc. thesis, University of Stellenbosch.
- SERRANO, J.F., 1973. A capacidade utilizavel para a aqua em grandes grupos de solos de Mocambique. *Agronomia Mocamb.* 6.4: 259-266.
- SEWARD, A.C., 1903. Fossil flora of Cape Colony. *Ann. S. Afr. Mus.* 4: 1-122.
- SEWARD, A.C., 1908. On a collection of fossil plants from South Africa. *Q. Jl geol. Soc. Lond.* 64: 83-108.
- SHANTZ, H.L. & MARBUT, C.F., 1923. The vegetation and soils of Africa. New York: National Research Council & American Geographical Society, pp. 263.
- SHANTZ, H.L. & TURNER, B.L., 1958. Photographic documentation of vegetational changes in Africa over a third of a century. Report 169, College of Agriculture, University of Arizona, pp. 158.
- SHAW, H.K.A., 1947. The vegetation of Angola. *J. Ecol.* 35: 23-48.
- SHAW, J., 1875. On the changes going on in the vegetation of South Africa through the introduction of merino sheep. *J. Linn. Soc. (Bot.)* 14: 202-208.
- SHELBOURNE, C.J.A., 1963. Growth rates, stem form and branching character of five provenances of *Pinus khaya* grown under plantation conditions in N. Rhodesia. *Commonw. For. Rev.* 42: 334-346.
- SHEPPE, W. & OSBORNE, T., 1971. Patterns of use of a floodplain by Zambian mammals. *Ecol. Monogr.* 41: 179-205.
- SHERRY, S.P., 1969. The Black Wattle (*Acacia mearnsii* De Wild.). Ph.D. thesis, University of Natal.
- SHERRY, S.P., 1971. The Black Wattle (*Acacia mearnsii* De Wild.). Pietermaritzburg: University of Natal Press.
- SHONE, D.K. & DRUMMOND, R.B., 1965a. Poisonous plants of Rhodesia. Ministry of Agriculture and Natural Resources Board of Rhodesia. pp. 64.
- SHONE, D.K. & DRUMMOND, R.B., 1965b. Poisonous plants of Rhodesia. *Rhodesia agric. J.* 62.4: 1-64.
- SIM, J.T.R., 1943. Mountain fires. *Fmg S. Afr.* 18: 283-286.
- SIM, J.T.R., 1947. Anti-erosion measures for the Swartland. *Fmg S. Afr.* 22: 17-24.
- SIM, J.T.R., 1957. Winter rainfall area. In your guide to better pastures. *Fmg S. Afr.* 32.10: 25 & 27.
- SIM, J.T.R., 1958. Agronomy investigations in the winter rainfall region, 1892-1953. *Sci. Bull. Dep. Agric. Un. S. Afr. No.* 373, pp. 150.
- SIM, T.R., 1891. Handbook of the ferns of Kaffraria. Cape Town, pp. 63.
- SIM, T.R., 1892. The ferns of South Africa. Cape Town: Cambridge University Press, pp. 275.
- SIM, T.R., 1894. Sketch and check-list of the flora of Kaffraria. Cape Town: Argus, pp. 92.
- SIM, T.R., 1900. Botanical observations on the forests of eastern Pondoland. *Agric. J. Cape G. H.* 16: 21-42 & 104-115.
- SIM, T.R., 1904. The Black Wattle industry. *Natal agric. J.* 7: 24-45.
- SIM, T.R., 1905a. Forestal education necessary for South Africa. *Rep. Br. & S. Afr. Advmt Sci.* 4: 408-415.
- SIM, T.R., 1905b. Recent information concerning South African ferns and their distribution. *Rep. Br. & S. Afr. Ass. Advmt Sci.* 3: 502-512.
- SIM, T.R., 1907. The forests and forest flora of the Colony of the Cape of Good Hope. Aberdeen: Taylor & Henderson, pp. 361.

- SIM, T.R., 1909. Forest flora and forest resources of Portuguese East Africa. Aberdeen: Taylor & Henderson. pp. 166.
- SIM, T.R., 1910. The flora of Portuguese East Africa. S. Afr. J. Sci. 6: 294-301.
- SIM, T.R., 1915. The ferns of South Africa. 2nd edn. Cambridge: University Press. pp. 384.
- SIM, T.R., 1916. Handbook of the Bryophyta of South Africa. Pietermaritzburg. pp. 200.
- SIM, T.R., 1919a. Flowering trees and shrubs for use in South Africa. Johannesburg: Speciality Press. pp. 200.
- SIM, T.R., 1919b. Soil erosion and conservation. S. Afr. J. Inds 2: 715-724, 867-881, 962-968 & 1034-1042.
- SIM, T.R., 1920. Causes leading towards progressive evolution of the flora of South Africa. S. Afr. J. Sci. 17: 51-64.
- SIM, T.R., 1921a. Bryophyta of Southern Rhodesia. S. Afr. J. Sci. 18: 294-335.
- SIM, T.R., 1921b. Native timbers of South Africa. Pretoria: Government Printer. pp. 232.
- SIM, T.R., 1921c. South African fern notes, with list of ferns and fern-allies found in Southern Rhodesia and of additional species recorded for other South African phytogeographic areas. S. Afr. J. Sci. 17: 275-283.
- SIM, T.R., 1923. Notes on South African ferns and Rhodesian mosses. S. Afr. J. Sci. 20: 309-315.
- SIM, T.R., 1924. The mosses of the south-west portion of South Africa. S. Afr. J. Sci. 21: 293-307.
- SIM, T.R., 1926a. The bryophyta of South Africa. Trans. R. Soc. S. Afr. 15: 1-475.
- SIM, T.R., 1926b. Some effects of man's influence on the South African flora. S. Afr. J. Sci. 23: 492-507.
- SIM, T.R., 1927. Check list of the bryophyta of South Africa. 2nd edn. Pietermaritzburg: Royal Society of South Africa. pp. 32.
- SIM, T.R., 1931a. Further notes on the distribution of the ferns of South Africa. S. Afr. J. Sci. 28: 253-265.
- SIM, T.R., 1931b. South African Bryophyta: further notes. Trans. R. Soc. S. Afr. 20: 15-31.
- SIM, T.R. & DIXON, H.N., 1921. Bryophyta of Southern Rhodesia. S. Afr. J. Sci. 18: 294-335.
- SIMON, B.K., 1971. Rhodesian and Zambian grass lists. Kirkia 8: 3-83.
- SIMONS, R.H., 1970. Marine algae from Southern Africa. I. Six new species from the inter- and infratidal zones. Invest Rep. Div. Sea Fish. S. Afr. 88: 13.
- SIMONS, R.H., 1972. South African seaweeds. Agric. Res., Pretoria, pp. 28-29.
- SIMPSON, C.D., 1975. A detailed vegetation study on the Chobe River in north-east Botswana. Kirkia 10: 185-227.
- SIMPSON, J., 1968. Bush clearing in South West Africa. Farmer's Weekly, Bloemfontein, 15 May, pp. 80-83.
- SIMPSON, M.W., 1938. Transpiration studies on Natal thornveld trees. M.Sc. thesis, University of South Africa.
- SKEAD, C.J., 1963. Sunbirds and strelitzias. Bokmakierie 14: 24-26.
- SKINNER, G. & YATES, M.J., 1974. Our trees - identification of fifty common trees indigenous to the Eastern Cape Province. Port Elizabeth: Printed by Express Litho Services. pp. 51.
- SKINNER, T.E., 1960. Sound veld management may limit incidence of Gousiekte. Fmg S. Afr. 36: 22-24.
- SKINNER, T.E., 1964. 'n Fisiologiese-ekologiese studie van *Stipagrostis ciliata* en *S. obtusa*. M.Sc. (Agric.) thesis, University of Pretoria.
- SLABBER, M.H., 1945. 'n Grondopname van die Malmesbury-Piketberg streek. D.Sc. thesis, University of Stellenbosch.
- SMIT, B.J., 1921. Representative Transvaal soils. The norite or black turf soils. J. Dep. Agr. Un. S. Afr. 3: 1-7.
- SMIT, C., 1831. Biographical notice of the Late Captain Dugald Carmichael F.L.S. Hooker, bot. Misc. 2: 1-59 & 258-343.
- SMIT, I.B.J., 1955. The slangbos problem. Fmg S. Afr. 30: 479-481.
- SMIT, I.B.J., 1972. Veld reclamation studies. Agric. Res., Pretoria, pp. 149-152.
- SMIT, N.L., 1943. Reclamation of Renosterbos Veld. Fmg S. Afr. 18: 287-289.
- SMITH, A., 1895. A contribution to South African materia medica, chiefly from plants in use among natives. 3rd edn. Cape Town: Juta. pp. 238.
- SMITH, C.A., 1954. Early 19th century records of the Clanwilliam cedar. J. S. Afr. For. Ass. 25: 58-65.
- SMITH, C.A., 1961a. Studies on the Northern Rhodesia *Hyparrhenia* veld. Part 2. J. agric. Sci., Camb. 56: 111.
- SMITH, C.A., 1961b. Studies on the Northern Rhodesia *Hyparrhenia* veld. Part 3. J. agric. Sci., Camb. 56: 243.
- SMITH, C.A., 1961c. The utilization of *Hyparrhenia* veld for the nutrition of cattle in the dry season. J. agric. Sci., Camb. 57: 305.
- SMITH, C.A., 1963. Oversowing pasture legumes into the *Hyparrhenia* grassland of Northern Rhodesia. Nature, Lond. 200: 811-812.
- SMITH, C.A., 1966a. Common names of South African plants. Mem. bot. Surv. S. Afr. No. 35, pp. 642.
- SMITH, C.A., 1966b. Studies on the *Hyparrhenia* veld of Zambia. The effects of cattle grazing veld and dambos at different stocking rates. J. agric. Sci., Camb. 66: 49-56.
- SMITH, C.J., 1966. The use of sun-prints in seedling studies. S. Afr. J. agric. Sci. 9: 741-743.
- SMITH, J.L.B. & SAPIRO, M.L., 1934. Outline investigation of the essential oil of *Pteronia stricta* Ait. Trans. R. Soc. S. Afr. 21: 51-54.
- SMITH, K.L. (Jr), 1971. A device for sampling immediately above the sediment-water interface. Limnol. Oceanogr. 16: 657-677.
- SMOOK, L., 1969. Some observations on *Lindernia intrepidus* (Dinter) Oberm. (= *Chamaeigas intrepidus* Dinter). Dinteria 2: 13-21.
- SMUTS, J.C., 1932. Climate and man in South Africa. S. Afr. J. Sci. 29: 98-131.
- SMUTS, J.C. & HUTCHINSON, J., 1933. The vegetation of Schoemanskloof, eastern Transvaal. Bull. misc. Inf. R. bot. Gdns Kew, pp. 417-427.
- SMUTS, S.J., 1951. The Vlekpoort conservation scheme. M.Sc. thesis, University of the Witwatersrand.
- SMYTH, C.P., 1886. Flora of South Africa. Nature, Lond. 34: 99-100.
- SOANE, B.D., 1960. Soil water and plant relations. Rhodesia agric. J. 57: 46-51.
- SOANE, B.D. & SAUNDER, D.H., 1959. Nickel and chromium toxicity of serpentine soils in Southern Rhodesia. Soil Sci. 88: 322-329.
- SOARES, F.A. & BARRETO, L.S., 1972. A zonagem ecologica de Mozambique segundo o sistema de Holridge. Revista de Ciencias Agronomicas Serie A 5: 29-40.
- SOLCH, A., 1960. Beitrage zu einer Flora Sudwest-Afrikas. D.Sc. thesis, Ludwig-Maximilians-Universitat, München. pp. 151.
- SOMMERLATTE, M.W.L., 1975. A preliminary report on the number, distribution and movement of elephants in the Chobe National Park with notes on browse utilization. Botswana Notes and Records 7: 121-129.
- SOUSA DE ALMEIDA, F., 1974. Bush control in grassland by aerial spraying. Proc. Grassld Soc. sth. Afr. 9: 73-76.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Elyonurus argenteus*, *Andropogon amplexans*, *Setaria flabellata*, *Andropogon schirensis* & *Themeda triandra*. Pattern 1. Map 1. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Urochloa mosambicensis*, *Tristachya hispida*, *Panicum deustum* & *Eragrostis chloronielas*. Pattern 1. Map 2. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Setaria neglecta*, *Stipa dregeana* & *Melica decumbens*. Pattern 2. Map 3. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Antheophora pubescens*, *Stipagrostis uniplumis*, *Cenchrus ciliaris*, *Schmidtia bulbosa* & *Aristida curvata*. Pattern 3. Map 4. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Stipagrostis obtusa*, *Sporobolus lampranthus*, *Panicum lanipes*, *Aristida anomala*, *Stipagrostis brevifolia* & *Eragrostis bicolor*. Pattern 4. Map 5. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Eragrostis bergiana*, *E. obtusa*, *Tragus koelerioides* & *Aristida diffusa* var *burkei*. Pattern 5. Map 6. Acocks, J.P.H. Pretoria, Botanical Research Institute.

- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Fingerhuthia sesleriiformis*, *Tetrachne dregei*, *Pennisetum sphacelatum* & *P.hunbergii*. Pattern 6. Map 7. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Danthonia disticha*, *Danthonia purpurea*, *Hordeum capense* & *Koeleria cristata*. Pattern 7. Map 8. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Chaetobromus dregeanus*, *Eragrostis spinosa*, *Eragrostis cyperoides* & *Ehrharta barbinodis*. Pattern 8. Map 9. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Ehrharta calycina*, *Ehrharta melicoides*, *Ehrharta capensis* etc & *Ehrharta villosa*. Pattern 9. Map 10. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Panicum lanipes* & *Arundinella nepalensis*. Map 12. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Secale africanum* & *Eragrostis chloromelas*. Map 13. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Setaria nigrirostris*, *S. holstii*, *S. woodii* & *Tetragonia robusta*. Map 14. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Sporobolus fimbriatus*. Map 15. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tetrachne dregei* & *Sporobolus virginicus*. Map 16. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Themeda triandra*. Map 17. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tricholaena capensis* & *Poa binata*. Map 18. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tristachya hispida*. Map 19. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Andropogon appendiculatus*. Map 20. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Brachypodium flexum* & *Stipagrostis uniplumis*. Map 21. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Dicanthium papillosum*, *Danthonia disticha* & *Danthonia dura*. Map 22. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Diplachne fusca*. Map 23. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Fingerhuthia sesleriiformis*. Map 24. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Imperata cylindrica*. Map 25. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Leersia hexandra*. Map 26. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Olyssa paucinervis* & *Pennisetum sphacelatum*. Map 27. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Danthonia glauca* & *Pennisetum thunbergii*. Map 28. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961a. Distribution of *Stipagrostis obtusa* & *Urochloa mosambicensis*. Map 3. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961b. Distribution of *Anthephora pubescens* & *Chaetobromus dregeanus*. Map 4. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961c. Distribution of *Panicum maximum* & *Ehrharta barbinodis*. Map 6. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961d. Distribution of *Ehrharta capensis* & *Echinochloa holubii*. Map 7. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961e. Distribution of *Ehrharta melicoides* & *Setaria neglecta*, *Sporobolus lampranthus*, *Brachiaria brizantha*. Map 8. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961f. Distribution of *Eragrostis denudata* & *Stenotaphrum secundatum*. Map 9. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961g. Distribution of *Panicum coloratum*. Map 11. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961h. Distribution of *Phragmites communis* & s. limit of *P. mauritanicus*. Map 29. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961i. Distribution of *Sporobolus iocladius*. Map 33. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961j. Distribution of *Stipagrostis brevifolia* & *Panicum deustum*. Map 34. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961k. Distribution of *Stipagrostis namaquensis*. Map 35. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961l. Distribution of *Dactyloctenium australe*, *Danthonia purpurea* & *Chrysopogon montanus* var. *tremulus*. Map 36. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961m. Distribution of *Aristida engleri*, *A. dasydesmis* & *Portulacaria afra*. Map 37. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961n. Distribution of *Cenchrus ciliaris*. Map 39. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961o. Distribution of *Stipa dregeana* var. *elongata*. Map 40. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961p. Distribution of *Ehrharta calycina* & *Urochloa stolonifera*. Map 41. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961q. Distribution of *Hyparrhenia hirta* & *H. buechananii*. Map 42. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961r. Distribution of *Aristida diffusa* var. *burkei*. Map 44. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961s. Distribution of *Eragrostis obtusa*. Map 47. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961t. Distribution of *Heteropogon contortus*. Map 48. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961u. Distribution of *Hordeum capense*. Map 49. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961v. Distribution of *Puccinellia* spp. Map 50. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961w. Distribution of *Setaria flabellata*. Map 51. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961x. Distribution of *Limeum aethiopicum*. Map 53. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.

- SOUTH AFRICA, DISTRIBUTION, 1962a. Distribution of *Anthoxanthum dregeanum*, *Stipagrostis fastigiata* & *Setaria sphacelata*. Map 2. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962b. Distribution of *Digitaria eriantha*. Map 5. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962c. Distribution of *Helictotrichon namaquense* & *Hemarthria alissima*. Map 10. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962d. Distribution of *Eragrostis bicolor*. Map 30. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962e. Distribution of *Ehrharia villosa*, *Ischaemum glaucostachyum* & *Setaria appendiculata*. Map 31. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962f. Distribution of *Panicum stapfianum*. Map 32. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962g. Distribution of *Bothriochloa radicans*. Map 38. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962h. Distribution of *Koeleria cristata*. Map 43. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962i. Distribution of *Danthonia stricta*. Map 45. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962j. Distribution of *Eragrostis lehmanniana*. Map 46. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962k. Distribution of *Aster barbatulus*. Map 52. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962l. Distribution of *Salsola tuberculata*. Map 54. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962m. Distribution of *Tetragonia arbuscula*. Map 55. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962n. Distribution of *Trifolium africanum* & *T. burchellianum*. Map 56. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, VEGETATION, n.d. Indigenous forests of South Africa. 1:4 000 000. Taylor, H.C. Botanical Research Unit, P.O. Box 471, Stellenbosch, Cape Province.
- SOUTH AFRICA, VEGETATION, n.d. Vegetation map of South Africa. 1:3 000 000. Pole Evans, I.B. Pretoria: Government Printer.
- SOUTH AFRICA, VEGETATION, n.d. Vegetation. 1:4 000 000. Acocks, J.P.H. Department of Agriculture, Division Botany and Plant Pathology.
- SOUTH AFRICA, VEGETATION, 1951. Veld types of South Africa. 1:1 500 000. Acocks, J.P.H. Pretoria, Government Printer.
- SOUTH WEST AFRICA, VEGETATION, 1970. Vegetation map of South West Africa. 1:3 030 300. Giess, W. Windhoek, SWA Herbarium.
- SOUTHERN AFRICA, VEGETATION, 1949. Vegetation map of Southern Africa adapted from I.B. Pole Evans. 1:4 000 000. Department of Agriculture, Division of Botany and Plant Pathology. Pretoria: Government Printer.
- SOUTHERN AFRICA, VEGETATION, 1968. Vegetation map of the Flora Zambesiaca area. 1:2 500 000. Wild, H. & Gandvaux Barbosa, L.A. Salisbury: M.O. Collins.
- SPARROW, G.W.A., 1965. Soils and land forms. Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass., pp. 270-275.
- SPILHAUS, M.W., 1950. Indigenous trees of the Cape Peninsula. Cape Town: Juta, pp. 122.
- SPOHR, O.H. & POLLER, M.R., 1968. German Africana. German publications on South & Southwest Africa. Pretoria: The State Library, pp. 332.
- STANDER, G.J., 1955. Water en watergebruik in Suid-Afrika. 'n Kernoorisg. Tydskr. Wet. Kuns, Oct. pp. 220-224.
- STANDER, G.J., 1959. Quantity and quality of Africa's water make planned use of it essential. Economic Opinion 5: 17-24.
- STANDER, G.J., 1960. Factors which affect the chemistry, bacteriology and biology of surface water supplies. CSA/CCTA Pubs No. 64, pp. 179-197.
- STANLEY, G.H., 1912. Note on the Thaba Basin sand-dunes. S. Afr. J. Sci. 10: 49.
- STANS, W., 1935. Die Grundlegen Faktoren der Landwirtschaft Sudwestafrikas. Tropenpflanzer 38: 460-480 & 505-530.
- STANTON, D.A. & BURGER, R. DU T., 1966a. Studies on zinc in selected Orange Free State soils. S. Afr. J. agric. Sci. 9: 601-616.
- STANTON, D.A. & BURGER, R. DU T., 1966b. Studies on zinc in selected Orange Free State soils. 2. Distribution of zinc in selected profiles and in particle-size fractions. S. Afr. J. agric. Sci. 9: 808-821.
- STANTON, D.A. & BURGER, R. DU T., 1967. Studies on zinc in selected Orange Free State soils. 3. Zinc content of iron concretions, occurring in the soil. S. Afr. J. agric. Sci. 10: 569-574.
- STAPELBERG, W.J., 1931. 'n Studie van die wortels van 'n aantal Potchefstroomse grasse met spesiale verwysing na hul anatomie. M. Sc. thesis, Potchefstroom University for CHE.
- STAPF, O., 1904. Die Gliederung der Graserflora van Sudafrica: Eine pflanzengeographische Skizze. Berlin: Borntraeger. pp. 391-412.
- STAPLES, R.R., 1926. Experiments in veld management. First report. Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 49, pp. 30.
- STAPLES, R.R., 1930. Studies in veld management. A second report on certain veld burning and grazing experiments. Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 91, pp. 31.
- STAPLES, R.R., 1931. The manuring of grassland. Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 97, pp. 10.
- STAPLES, R.R., 1949. The water cycle as affected by land use. In Statements and communications of the African Regional Scientific Conference, 17-28 Oct. 1949, pp. 66-69. Johannesburg.
- STAPLES, R.R. & HUDSON, W.K., 1938. An ecological survey of the mountain area of Basutoland. London: Crown Agents for Colonies, pp. 68.
- STAPLES, R.R. & TAYLOR, A.J., 1929. Studies in pasture management. A preliminary report on the seasonal composition of certain South African pasture grasses in relation to their manuring and intensity of grazing. S. Afr. J. Sci. 26: 139-153.
- STAPLETON, C.C. 1937. Common Transvaal trees. Sci. Bull. Dep. Agric. Un. S. Afr. No. 164, pp. 102.
- STAPLETON, C.C., 1955. The cultivation of indigenous trees and shrubs. Jl S. Afr. For. Ass. No. 26, pp. 10-17.
- STEAD, A., 1924. Saaidam terraces in the Karoo. S. Afr. J. Sci. 21: 315-321.
- STEAD, H.A.J., 1957. Bemestingvereistes in die streeksgebiede Karoo- en Oos-Kaapstreek. In Hulpboek vir boere in Suid Afrika. Deel 2, pp. 47-49. Pretoria: Department of Agriculture.
- STEEDMAN, E.C., 1933. A description of some trees, shrubs and lianes of Southern Rhodesia. Bulawayo: Rhodesian Printing & Publishing Co. pp. 191.
- STEENKAMP, C.J., 1964. A semi- micro method for determining the exchangeable cations and cation exchange of a montmorillonitic clay. S. Afr. J. agric. Sci. 7: 779-786.
- STEENKAMP, C.J., 1965. Potassium fixation by a black subtropical clay and the changes in its clay mineral lattice upon fixation. S. Afr. J. agric. Sci. 8: 535-541.
- STEENKAMP, W.J.F., 1962. Aspects of coniferous afforestation in South Africa. Jl S. Afr. For. Ass. No. 42, pp. 8-11.
- STEINKE, T.D., 1968. A preliminary study of tillering in veld grasses. S. Afr. J. agric. Sci. 11: 435-439.
- STEINKE, T.D., 1972a. Further observations on the distribution of mangroves in the eastern Cape Province. Jl S. Afr. Bot. 38: 165-178.
- STEINKE, T.D., 1972b. Mangroves. Veld & Flora 2: 47-49.
- STEINKE, T.D. & BOOYSEN, P. DE V., 1968. The regrowth and utilization of carbohydrate reserves of *Eragrostis curvula* after different frequencies of defoliation. Proc. Grassld Soc. sth. Afr. 3: 105-110.

- STEINKE, T.D. & NEL, L.O., 1967. The growth of veld in response to defoliation by various means in late winter and spring. Proc. Grassld Soc. sth. Afr. 2: 113-117.
- STENGEL, H.W., 1963. Wasserwirtschaft in SWA. Windhoek: Afrika Verlag der kreis. pp. 467.
- STENGEL, H.W., 1964. Die Wasserwirtschaftliche Entwicklung einer farm in Sudwestafrika. JI S. W. Africa scient. Soc. 17: 37-102.
- STENT, S.M., 1924. South African Gramineae. Grasses of the Transvaal as represented in the National Herbarium. Bothalia 1: 222-223.
- STENT, S.M., 1927. South African species of *Cynodon*. Bothalia 2: 274-288.
- STENT, S.M., 1931. Some poisonous plants in Southern Rhodesia. Rhodesia agric. J. 27: 811-821.
- STENT, S.M. & MELLE, H.A., 1921a. Fodder and pasture grasses of South Africa. 2. Rhodes grass (*Chloris gayana* Kunth) J. Dep. Agric. Un. S. Afr. 3: 136-144.
- STENT, S.M. & MELLE, H.A., 1921b. Fodder and pasture grasses of South Africa. 3. Star grass, *Cynodon plectostachyus*. J. Dep. Agric. Un. S. Afr. 3: 271-276.
- STENT, S.M. & RATTRAY, J.M., 1933. The grasses of Southern Rhodesia. Proc. Trans. Rhod. Sci. Ass. 32: 1-64.
- STEPHANI, F., 1895. Hepaticae africanae. Bot. Jb. 20: 299-321.
- STEPHENS, E.L., 1924. Notes on the aquatic flora of South Africa. S. Afr. J. Sci. 21: 339-342.
- STEPHENS, E.L., 1929. Fresh water aquatic vegetation of the South-Western District. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 81-95. Cape Town: Speciality Press.
- STEPHENS, E.L., 1949. *Mucrocytic toxica*: a poisonous alga from the Transvaal and Orange Free State. Trans. R. Soc. S. Afr. 32:105-112.
- STEPHENS, E.L. & KIDD, M.M., 1953a. Some South African edible fungi. Cape Town: Longmans & Green. pp. 35.
- STEPHENS, E.L. & KIDD, M.M., 1953b. Some South African poisonous and inedible fungi. Cape Town: Longmans & Green. pp. 31.
- STEPHENSON, T.A., 1939. The constitution of the intertidal fauna and flora of South Africa. Part 1. J. Linn. Soc. (Zool.) 40: 487-536.
- STEPHENSON, T.A., 1944. The constitution of the intertidal fauna and flora of South Africa. Part 2. Ann. Natal Mus. 10: 261-358.
- STEPHENSON, T.A., 1948. The constitution of the intertidal fauna and flora of South Africa. Part 3. Ann. Natal Mus. 11: 207-324.
- STEPHENSON, T.A., STEPHENSON, A. & BRIGHT, K.N.F., 1938. The South African zone and its relation to ocean currents. 4. The Port Elizabeth district. Ann. Natal Mus. 9: 1-20.
- STEPHENSON, T.A., STEPHENSON, A. & DAY, J.H., 1941. The South African intertidal zone and its relations to ocean currents. 8. Lamberts Bay and the west coast. Ann. Natal Mus. 9: 345-380.
- STEPHENSON, T.A., STEPHENSON, A. & DU TOIT, C.A., 1937. The South African intertidal zone and its relation to ocean currents. 1. A temperate Indian Ocean Shore. Trans. R. Soc. S. Afr. 24: 341-382.
- STEVEN, G., 1957. A study of edaphic factors in the secondary succession on the Transvaal highveld. Ph.D. thesis, University of the Witwatersrand.
- STEVENSON- HAMILTON, J., 1952. South African Eden; from Sabi Game Reserve to Kruger National Park. London: Cassell. pp. 313.
- STEWART, P.G., 1965. Report on four visits surrounding the northern end of the St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- STEWART, P.G., 1967. St Lucia Game Reserve Park and False Bay Park. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- STEWART, T., 1913. The rainfall on Table Mountain. Trans. R. Soc. S. Afr. 3: 41-46.
- STEYN, D.G., 1931. Geelsiekte and its detection in the field. JI S. Afr. vet. med. Ass. 2: 23-26.
- STEYN, D.G., 1932. Some interesting poisonous plants. Pamph. S. Afr. biol. Soc. No. 5, pp. 23.
- STEYN, D.G., 1933. Methods of ascertaining whether plants are toxic or not. Pamph. S. Afr. biol. Soc. No. 6, pp. 15-21.
- STEYN, D.G., 1934. The toxicology of plants in South Africa, together with a consideration of poisonous toadstools and fungi. Johannesburg: Central News Agency. pp. 631.
- STEYN, D.G., 1944. Poisonous and non-poisonous algae (waterbloom, scum) in dams and pans. Fmg S. Afr. 19: 465-466 & 472.
- STEYN, D.G., 1949. Vergiftiging van mens en dier; met gifplante, voedsel en drinkwater. Pretoria: Van Schaik. pp. 264.
- STEYN, D.J., 1973. Die eutrofikasiepeile van vier Transvaalse damme. M. Sc. thesis, University of Pretoria.
- STEYN, D.J., SCOTT, W.E., TOERIEN, D.F. & VISSER, J.H., 1975. The eutrophication levels of some South African impoundments. 1. Rietveldam. Water S. A. 1,2: 45-52.
- STEYN, D.J., TOERIEN, D.F. & VISSER, J.H., 1975. Eutrophication levels of some South African impoundments. 2. Hartbeespoort Dam. Water S.A. 1,3: 93-101.
- STEYN, J.N., 1968. 'n Grondgebruikstudie van die Mtunzini distrik. M.A. thesis, University of Stellenbosch.
- STEYN, T.J., 1943 Die genus *Elyonurus* (Humb. en Bonpl. ) in Suid Afrika met spesiale verwysing na die anatomie. M.Sc. thesis, University of Pretoria.
- STIGAND, A.G., 1913. Notes on Ngamiland. Trans. R. Soc. S. Afr. 3: 379-391.
- STIGAND, A.G., 1923. Ngamiland. Geogr. J. 62: 401-419.
- STINDT, H.W., CELLIERS, P.G., JOUBERT, J.G.V. & PEROLD, I.S., 1965 The nutritive value of natural pastures in the Humansdorp area in the south-east Cape Province of the Republic of South Africa. Tech. Commun. Dep. agric. tech. serv. (S. Afr.) Pretoria, No. 45, pp. 13.
- STIRTON, C.H., 1975. A contribution to knowledge of the genus *Eriosema* (Leguminosae, Lotoideae) in southern Africa (excluding Mozambique and Rhodesia). M.Sc. thesis, University of Natal. pp. 182.
- STOCKING, M.A., 1972. A geographical analysis of the factors in the erosion of soils in Rhodesia. M. Phil. thesis, University of London.
- STODART, D.M., 1975. Afforestation, catchment protection and water supply demands. S. Afr. For. J. No. 93, pp. 12-20.
- STOKES, H., 1967. What tree is that? Cape Town: Purnell. pp. 72.
- STOKOE, T.P., 1939. *Orothamnus zeyheri*. J. Mount. Club S. Afr. No. 42, pp. 17-21
- STONE, E.C., 1957. Dew as an ecological factor. I. Review of the literature. Ecology 38: 407-413.
- STONEMAN, B., 1906. Plants and their ways in South Africa. London: Longmans. pp. 283.
- STOPP, K., 1958. Die verbreitungshemmen den einrichtungen in der Sudafrikanischen Flora. Bot. Stud., Jena 8: 1-103.
- STORY, R., 1939. Notes on two important grassland types in the Vereeniging district. S. Afr. J. Sci. 36: 336-341.
- STORY, R., 1951. New distribution records for *Ocotea bullata* E. Mey. and *Lachnophyllis floribunda* (Benth.) C.A. Sm. with account of an insect pest of the Stinkwood. S. Afr. J. Sci. 47: 190-198.
- STORY, R., 1953. A botanical survey of the Keiskammahoek district. D.Sc. thesis, University of the Witwatersrand.
- STORY, R., 1958. Some plants used by the Bushmen in obtaining food and water. Mem. bot. Surv. S. Afr. No. 30, pp. 115.
- STORY, R., 1964. Plant lore of the Bushmen. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 87-99. The Hague: Junk.
- STRANG, R.M., 1960. Experiments in bush eradication. Rhodesia agric. J. 51: 122-123.
- STRANG, R.M., 1965. Bush encroachment and secondary succession in the Rhodesian highveld with special reference to soil moisture relationships. Ph.D. thesis, University of London. pp. 771.
- STRANG, R.M., 1966. The spread and establishment of *Brachystegia spiciformis* Benth. and *Jubbernardia globiflora* (Benth.) Troupin in the Rhodesian highveld. Commonw. For. Rev. 45: 253-256.
- STRANG, R.M., 1969. Soil moisture relationships under grassland and under woodland in the Rhodesian highveld. Commonw. For. Rev. 48: 26-40.
- STRANG, R.M., 1973. Bush encroachment and veld managment in south-central Africa. The need for a reappraisal. Biol. Conserv. 5,2: 96-104.

- STRANG, R.M., 1974. Some man-made changes in successional trends on the Rhodesian Highveld. *J. appl. Ecol.* 11: 249-263.
- STREY, R.G., 1964. Conservation regarding the preservation of forest and open veld along the coast, especially the St Lucia area. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- STRYDOM, B.W., 1965. The effect of soil pH and soil type on the occurrence of *Beijerinckia* species in non-lateritic soils. *S. Afr. J. agric. Sci.* 8: 853-861.
- STUART, J.S.N., 1920. The effects of storms on certain forests in the Tsolo District, Cape Province. *Bull. Dep. For. Un. S. Afr.* No. 2, pp. 7.
- STURGEON, K.E., 1951. A revised list of the grasses of Southern Rhodesia. Part 4,5,6,7,8 and 9. *Rhodesia agric. J.* 51: 131-145, 212-226, 293-312, 379-393 & 495-508.
- STURGEON, K.E., 1953. A revised list of the grasses of Southern Rhodesia. Part 1,2 and 3. *Rhodesia agric. J.* 50: 278-291, 420-439 & 497-514.
- STURGEON, K.E., 1955. A revised list of the grasses of Southern Rhodesia. Part 10. *Rhodesia agric. J.* 52: 39-63.
- STURGEON, K.E., 1956. A revised list of the grasses of Southern Rhodesia. Part 11- Index. *Rhodesia agric. J.* 53: 110-141.
- STURGEON, K.E., 1957. A revised list of the grasses of Southern Rhodesia. M.Sc. thesis, Rhodes University.
- SUESSENGUTH, K. & MERXMUELLER, H., 1951. A contribution to the flora of the Marandellas district, Southern Rhodesia. *Proc. Trans. Rhod. Scient. Ass.* 43: 87.
- SUMNER, M.E., 1958a. The physical and chemical properties of tall grassland soils of Natal in relation to their erodibility. M.Sc. (Agric.) thesis, University of Natal.
- SUMNER, M.E., 1958b. A simplified technique for the determination of soil aggregation. *S. Afr. J. agric. Sci.* 1: 301-304.
- SUMNER, M.E. & DAVIDTZ, J.L., 1965. Positive and negative charges in some Natal soils. *S. Afr. J. agric. Sci.* 8: 1045-1050.
- SUMNER, M.E. & MEYER, J.H., 1971. Incidence of toxic aluminium in sandy soils. *Proc. 45th Cong. S. Afr. Sug. Technol. Ass.*, pp. 212-216.
- SUTHERLAND, J., 1924. Impressions of South African forestry. *Emp. For. J.* 3: 39-44.
- SUTTON, J.R., 1921. A contribution to the study of the rainfall map of South Africa. *Trans. R. Soc. S. Afr.* 8: 367-414.
- SWART, M.J., 1956. Klimaattipes van Suidwes-Kaapland volgens die Köppenunderling. M.A. thesis, University of Stellenbosch.
- SWYNNERTON, C.F.M. & PHILLIPSON, W.R., 1936. A new *Coffea* from Portuguese East Africa, with ecological notes on the genus. *J. Bot., Lond.* 74: 314-322.
- SWYNNERTON, C.F.M., RENDLE, A.B., BAKER, E.G., MOORE, S. & GEPP, A., 1911. Contribution to our knowledge of the flora of Gazaland. *J. Linn. Soc. (Bot.)* No. 40, pp. 1-245.
- SYMONS, L.B. & JONES, R.J., 1971. An analysis of available techniques for estimating production of pastures without clipping. *Proc. Grassld Soc. sth. Afr.* 6: 185-190.
- SZYSZYLOWICZ, I., 1888a. *Polypetalae disciflorae* Rehmmanianae. *Rozpr. Akad. Umiej.* 17: 1-75.
- SZYSZYLOWICZ, I., 1888b. *Polypetalae thalamiflorae* Rehmmanianae. *Rozpr. Akad. Umiej.* 18: 96-167.
- TAINTON, N.M., 1963. Burning or mowing - which is more profitable? *Fmg S. Afr.* 39: 24-25.
- TAINTON, N.M., 1967. Environmental control of flowering in tropical- subtropical grasses. *Proc. Grassld Soc. sth. Afr.* 4: 49-55.
- TAINTON, N.M., 1968. Environmental control of the growth distribution index of vegetative grass plants. *Proc. Grassld Soc. sth. Afr.* 3: 151-158.
- TAINTON, N.M., 1972. The relative contribution of overstocking and selective grazing to the degeneration of tall grassveld in Natal. *Proc. Grassld Soc. sth. Afr.* 7: 39-43.
- TAINTON, N.M. & BOOYSEN, P.DE V., 1963. The effects of management on apical bud development and seeding in *Themeda triandra* and *Tristachya hispida*. *S. Afr. J. agric. Sci.* 6: 21-30.
- TAINTON, N.M. & BOOYSEN, P.DE V., 1965a. Growth and development in perennial veld grasses. 1. *Themeda triandra* tillers under various systems of defoliation. *S. Afr. J. agric. Sci.* 8: 93-110.
- TAINTON, N.M. & BOOYSEN, P.DE V., 1965b. Growth and development in perennial veld grasses. 2. *Hyparrhenia hirta* tillers under various systems of defoliation. *S. Afr. J. agric. Sci.* 8: 745-760.
- TAINTON, N.M., BOOYSEN, P.DE V. & SCOTT, J.D., 1970. Response of tall grassveld to different intensities, seasons and frequencies of clipping. *Proc. Grassld Soc. sth. Afr.* 5: 32-41.
- TALBOT, A.M., 1970. Some aspects of resource use in relation to the Orange River project. *S. Afr. J. Sci.* 145-151.
- TALBOT, P.H.B., 1940. A field study of the assimilation and respiration of carbon dioxide by leaves of *Randia rudis* E. Mey. versus *Gymnosporia buxifolia* Szyszyl. M.Sc. thesis, University of South Africa.
- TALBOT, W.J., 1947. Swartland and Sandveld: a survey of land utilization and soil erosion in the western lowland of the Cape Province. Cape Town: Oxford University Press. pp. 79.
- TALBOT, W.J., 1961. Land utilization in the arid regions of Southern Africa. Part 1. South Africa. *Arid Zone* 17: 299-331.
- TALJAARD, M.S., 1938. On the physiography of an area in the North-Eastern Transvaal (A) and an area in Northern South West Africa (B). *Annale Univ. Stellenbosch Serie A* 16, 1: 1-25.
- TANSLEY, A.G. & CHIPP, T.F. (eds), 1926. Aims and methods in the study of vegetation. London: British Empire Vegetation Committee. pp. 383.
- TAYLOR, A.J., 1922. The composition of some indigenous grasses. *S. Afr. J. Sci.* 19: 218-232.
- TAYLOR, A.J., 1929. Veld management and fertilizing experiments. *Fmg S. Afr.* 3: 1242.
- TAYLOR, A.J., 1931. Studies in pasture management. A further report on the seasonal composition of certain South African pasture grasses in relation to their manuring and intensity of grazing. *S. Afr. J. Sci.* 28: 205-206.
- TAYLOR, H.C., 1955. Forest types and floral composition of Grootvaderbosch. *Jl S. Afr. For. Ass.* No. 26, pp. 33-46.
- TAYLOR, H.C., 1957. Upsetting nature's balance. Cape Department of Nature Conservation Report No. 14: 61-64.
- TAYLOR, H.C., 1959. A coastal forest remnant near Stanford, Cape Province. *J. bot. Soc. S. Afr.* 45: 27.
- TAYLOR, H.C., 1961a. Ecological account of a remnant coastal forest near Stanford, Cape Province. *Jl S. Afr. Bot.* 27: 153-166.
- TAYLOR, H.C., 1961b. The Karkloof Forest: a plea for its protection. *For. S. Afr. No. 1*, pp. 123-134.
- TAYLOR, H.C., 1963a. A bird's-eye view of Cape mountain vegetation. *J. bot. Soc. S. Afr.* 49: 17-19.
- TAYLOR, H.C., 1963b. A report on the Nxamalala Forest. *For. S. Afr. No. 2*, pp. 29-43.
- TAYLOR, H.C., 1963c. Some thoughts on mountain reserves. *South African Outdoor Life* No. 2, pp. 19-20 & 36-37.
- TAYLOR, H.C., 1963d. Some thoughts on mountain reserves. Cape Department of Nature Conservation Report No. 19, pp. 31-37.
- TAYLOR, H.C., 1969a. Pest plants and nature conservation in the winter rainfall region. *Habitat* No. 8, pp. 6-9.
- TAYLOR, H.C., 1969b. A vegetation survey of the Cape of Good Hope Nature Reserve. M.Sc. thesis, University of Cape Town. pp. 154.
- TAYLOR, H.C., 1969c. Pest plants and nature conservation in the winter rainfall region. *J. bot. Soc. S. Afr.* 55: 32-38.
- TAYLOR, H.C., 1969d. Pesplante en natuurbewaring. *For. S. Afr. No. 10*, pp. 41-46.
- TAYLOR, H.C., 1972a. A sketch of the vegetation of South Africa. *Veld & Flora* 2: 52-55.
- TAYLOR, H.C., 1972b. Fynbos. *Veld & Flora* 2: 68-75.
- TAYLOR, H.C., 1972c. Notes on the vegetation of the Cape Flats. *Bothalia* 10: 637-646.
- TAYLOR, H.C., 1973. Fire in fynbos. *Veld & Flora* 3: 18-19.
- TAYLOR, H.C., 1974. Combat and control of *Hakea*. Fruit and Fruit Technology Research Institute. Information Bulletin 264: 1-3.
- TAYLOR, H.C., 1975. Weeds in the south-western Cape vegetation. *S. Afr. For. J.* No. 93, pp. 32-36.
- TAYLOR, H.C. & BOUCHER, C., 1973. Natural vegetation boundaries of the south western Cape Province (Test site B) from ERTS-1 imagery. In Malan, O.G.(ed.), To assess the value of satellite imagery in resource evaluation on a

- national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 47-57.
- TAYLOR, M., 1971. Veld conservation is water conservation. *Rhod. Sci. News* 5,10: 309-311.
- TAYLOR, P., 1955. The genus *Anagallis* in tropical and South Africa. *Kew Bull.* 3: 321-320.
- TAYLOR, P., 1964. The genus *Utricularia* L. in Africa (south of the Sahara) and Madagascar. *Kew Bull.* 18: 1-245.
- TAYLOR, R.D., 1974. A comparative study of land use on a cattle and game ranch in the Rhodesian Lowveld. M.Sc. thesis, University of Rhodesia.
- TEALE, G., 1962. Lake St Lucia Game Reserve. Paradise to be lost. *Afr. wild Life* 16: 271-274.
- TEIXEIRA, J.B., 1960. Contribuição para o estudo da flora do Cuando-Cubongo. *Agronomia angol.* 12: 97-133.
- TEIXEIRA, J.B., 1966. Relatório Preliminar de Cartografia de Vegetação do Distrito do Bie (1a Fase). Área a Norte do Caminho de Ferro de Benguela. Nova Lisboa, Instituto de investigação Agronomica de Angola.
- TEIXEIRA, J.B., 1968a. Angola. *Acta phytogeogr. succ.* 54: 193-197.
- TEIXEIRA, J.B., 1968b. Parque Nacional do Bieuer Carta da Vegetação (1a aproximação) e Memória Descritiva. Nova Lisboa, Instituto de Investigação Agronomica de Angola.
- TEIXEIRA, J.B. & CORREA DE PINHO, M.I., 1961. Subsídios para o estudo e caracterização das forragens da Reserva Pastoral de Vile Arriaga. *Agronomia angol.* 13: 3-51.
- TEIXEIRA, J.B., et al., 1967. Parque Nacional da Quicama Carta da Vegetação e Memória Descritiva. Nova Lisboa, Instituto de Investigação Agronomica de Angola.
- TEMPANY, H.A., 1944. Soil erosion and soil conservation in the colonial Empire. *Emp. J. exp. Agric.* 12: 121-153.
- TEW, J., GROSSMAN, E.S., FAIR, P. & CRESSWELL, C.F., 1974. A study of the fine structure, enzyme activities and pattern of  $^{14}\text{CO}_2$  incorporation of highveld grasses from different successional stages. *Proc. Grassld Soc. sth. Afr.* 9: 95-104.
- THATCHER, F.M. & LUBKE, R.A., 1974. Discriminant analysis used to detect population variation amongst grasses collected on mine dumps. *J. S. Afr. Bot.* 40: 27-45.
- THERIOT, I., 1924. Musci nova africana. *Bull. Mus. Hist. nat., Paris*, pp. 239-246.
- THERIOT, I., 1932. Quelques mousses du Nyasaland. *Revue bryol. lichen* 4: 75-77.
- THERON, E.P., 1966. A study of certain chemical and physical properties of ten indigenous grasses and their relation to animal preference. D.Sc. thesis, University of Natal.
- THERON, E.P., 1969. Pasture grasses: their management and production on the cane lands of Natal coast. *S. Afr. J. Sci.* 65: 258-263.
- THERON, E.P. & BOOYSEN, P.D.E V., 1966. Palatability in grasses. *Proc. Grassld Soc. sth. Afr.* 1: 111-120.
- THERON, E.P. & BOOYSEN, P.D.E V., 1968a. The tensile properties of ten indigenous grasses. *Proc. Grassld Soc. sth. Afr.* 3: 57-61.
- THERON, E.P. & BOOYSEN, P.D.E V., 1968b. A study of the factors influencing the breaking tension of the leaves of various grasses. *Proc. Grassld Soc. sth. Afr.* 3: 63-66.
- THERON, E.P., LUDORF, R. & JONES, A., 1972. Notes on the value of *Paspalum vaginatum* Sw. as a pasture grass for saline and structureless soils. *Proc. Grassld Soc. sth. Afr.* 7: 126-129.
- THERON, E.P., VENTER, A.D. & JONES, R.I., 1959. Four-camp system not always solution to problem of selective grazing. *Fmg S. Afr.* 35,2: 6-10.
- THERON, G.C., 1932. Veld-burning in the Western Transvaal. *Fmg S. Afr.* 7: 244.
- THERON, G.C., 1937. Veld management investigations at the school of Agriculture, Potchefstroom. *Bull. Dep. Agric. Un. S. Afr.* No. 166, pp. 23.
- THERON, G.K., 1964. 'n Outekologiese studie van *Plinthus karrooicus* Verdoorn. M.Sc. thesis, University of Pretoria.
- THERON, G.K., 1973a. Die Savannas (Bosveld) van Transvaal. *Veld & Flora* 3: 24-27.
- THERON, G.K., 1973b. 'n Ekologiese studie van die plantegroei van die Loskopdam natuurreserveaat. D.Sc. thesis, University of Pretoria.
- THERON, G.K., 1975. The distribution of summer rainfall zone *Protea* species in South Africa, with special reference to the ecology of *Protea caffra*. *Boissiera* 124: 233-244.
- THERON, G.K., SCHWEICKERT, H.G. & VAN DER SCHIJFF, H.P., 1968. 'n Anatomiese studie van *Plinthus karrooicus* Verdoorn. *Tydskr. Natuurwet.* 8: 69-104.
- THERON, J.J., 1954. Phosphate deficiency in the summer rainfall areas. *S. Afr. J. Sci.* 50: 212-216.
- THERON, J.J., 1955. The recuperation of soil under grass pastures. In Meredith, D. (ed.), *The grasses and pastures of South Africa*, pp. 697-711. Johannesburg: Central News Agency.
- THERON, J.J., 1965. The influence of fertilizers on the organic matter content of the soil under natural veld. *S. Afr. J. agric. Sci.* 8: 525-534.
- THISELTON-DYER, W.T., 1874. The tree aloes of South Africa. *Nature*, Lond. 11: 89-91.
- THODAY, D., 1920. Ericoid leaves. *S. Afr. J. Sci.* 17: 20.
- THODAY, D., 1921. On the behaviour during drought of two species of *Passerina* with some notes on their anatomy. *Ann. Bot.* 35: 585-601.
- THODAY, D., 1924. The geographical distribution and ecology of *Passerina*. *Ann. Bot.* 39: 175-207.
- THODAY, D. & POCKOCK, M.A., 1928. On a *Myosurus* from South Africa, with some notes on *Marsilia macrocarpa*. *Trans. R. Soc. S. Afr.* 16: 23-30.
- THODE, J., 1890. Die Kustenv egetation von British-Kaffrien und ihr Verhältniss zu den Nachbarfloraen. *Bot. Jb.* 12: 589-607.
- THODE, J., 1893. Die Botanischen Höhenregionen Natal. *Bot. Jb.* 18: 14-45.
- THODE, J., 1901. The botanical regions of Natal determined by altitude. Durban: Durban Field Naturalists' Society. pp. 16.
- THOM, J.E., 1970. 'n Taksonomies-morfologiese studie van die genus *Dovyalis* E. Mey. ex Arn. in Suid-Afrika. M.Sc. thesis, University of Pretoria.
- THOMAS, P.A., 1974. Some investigations into the biology of *Paulinia acuminata* De Geer with particular reference to the biological control of *Salvinia auriculata*. M.Phil. thesis, University of London.
- THOMAS, P.E.L., 1973. A review of weed research in Rhodesia. *Rhodesia agric. J.* 70: 138-139.
- THOMAS, P.I., 1969. The effectiveness of mattocking as a method of bush control on Marandellas sandveld. *Rhodesia agric. J.* 66: 30-31.
- THOMAS, P.I., 1970. A Chitonga-botanical dictionary of some species occurring in the vicinity of the Mwenza Estuary, Lake Kariba, Rhodesia. *Kirkia* 7: 269-284.
- THOMAS, P.I., 1972. Ecological and biochemical investigations at Nkai, Rhodesia. M.Phil. thesis, University of London.
- THOMAS, R.G., 1959. Classification of soils for land use purposes in the Rhodesias. I. Soil classification and mapping. In *Proceedings of the 3rd inter-African soils conference*, pp. 351-354.
- THOMASSON, K., 1965. Notes on the algal vegetation on Lake Kariba. *Nova Acta R. Soc. Scient. Upsal.* 19: 1210-1247.
- THOMPSON, B.W., 1965. *The climate of Africa*. London: Oxford University Press.
- THOMPSON, G.D. & BOYCE, J.P., 1967. Daily measurements of potential evapotranspiration from fully canopied sugarcane. *Agric. Meteorol.* 4: 267-279.
- THOMPSON, G.D., GROSSELL, J.M. & DE ROBILLARD, P.J.M., 1967. Responses of sugarcane to supplementary irrigation on two soils in Natal. *Expl Agric.* 3,3: 50-65.
- THOMPSON, G.M., 1954. An account of the intertidal zone at Isipingo beach. M.Sc. thesis, University of Natal.
- THOMPSON, J.G., 1960. A description of the growth habits of mopane in relation to soil and climate conditions. In *Proceedings of the 1st Federation science congress*, Salisbury, pp. 181-186.
- THOMPSON, J.G., 1965. The soils of Rhodesia. In *Rhodesia: it's natural resources and economic development*. Salisbury: Collins.
- THOMPSON, J.G., 1966. The soils of Rhodesia and their classification. Ph.D. thesis, University of Natal.
- THOMPSON, L., SLIFE, F.W. & BUTLER, H.S., 1970. Environmental influence on the tolerance of corn to atrazine. *Weed Sci.* 18: 509-514.
- THOMSON, P.J., 1975. The role of elephants, fire and other agents in the decline of a *Brachystegia boehmii* Woodland. *J. sth. Afr. Wildl. Mgmt Ass.* 5: 11-18.

- THOMPSON, W.R., 1935. Rainfall, soil erosion and run-off in South Africa. *Publs Univ. Pretoria ser. 1*, No. 29, pp. 39.
- THOMPSON, W.R., 1937. Veld burning, its history and importance in South Africa. *Publs Univ. Pretoria ser. 1*, No. 31, pp. 19.
- THOMSON, W.R., 1975. A photographic technique to quantify lateral cover density. *J. sth. Afr. Wildl. Mgmt Ass.* 5: 75-78.
- THONNER, F., 1915. The flowering plants of Africa, an analytical key to the genera of African phanerogams. London: Dulau, pp. 647.
- THORNTON, R.W., 1908. Bushes of the Karoo and feeding values as compared with cultivated crops. *Agric. J. Cape*. G.H. 33: 61-65.
- THORRINGTON-SMITH, E., 1952. The Tugela Basin. Natal Town & Regional Planning Commission Report 1, Pietermaritzburg, pp. 180.
- THORRINGTON-SMITH, E., 1960. Towards a plan for the Tugela Basin. Natal Town & Regional Planning Commission Report 5, Pietermaritzburg, pp. 266.
- THUDICHUM, G. & CHODAT, R., 1923. Le Vegetation xerophyte du sud de L' Afrique. *Bull. Soc. bot. Geneve* 14: 24-26.
- THUNBERG, C.P., 1823. *Flora Capensis*. Stuttgart: Cottae, pp. 803.
- THUNBERG, C.P. & KOTZE, J.J., 1940. Notes on some Langeberg forests. *Jl S. Afr. For. Ass.* No. 5, pp. 32-40.
- TIDMARSH, C.E.M., 1947. Veld management in the marginal grassveld areas. *Fmg S. Afr.* 22: 13-1.
- TIDMARSH, C.E.M., 1948. Conservation problems of the Karoo. *Fmg S. Afr.* 23: 519-530.
- TIDMARSH, C.E.M., 1950. Is the world in the throes of a dry period? *Farmer's Weekly*, Bloemfontein, 9 Jan., p. 51.
- TIDMARSH, C.E.M., 1951. Veld management studies, Grootfontein College of Agriculture, Middelburg, Cape Province, 1934-50. *Prog. Rep. Past. Res. S. Afr.* No. 3, pp. 60.
- TIDMARSH, C.E.M., 1952a. Climate and grass. In *Veld gold: a South African book of grassland farming*, pp. 15-21. Johannesburg: National Veld Trust.
- TIDMARSH, C.E.M., 1952b. Veld management in the Karoo. *Fmg S. Afr.* 27: 4-22.
- TIDMARSH, C.E.M., 1957. Veld management in the Karoo and adjacent sweet veld regions. In *Handbook for farmers in South Africa*, pp. 624-635. Pretoria: Department of Agriculture.
- TIDMARSH, C.E.M., 1958. The management of Karoo veld. *S. Afr. biol. Soc. Pamphlet* 20: 46-47.
- TIDMARSH, C.E.M., 1966. Pasture research in South Africa. *Proc. Grassld. Soc. sth. Afr.* 1: 21-26.
- TIDMARSH, C.E.M., 1968. Bioclimatology with special reference to agriculture. *S. Afr. J. Sci.* 64: 456-459.
- TIDMARSH, C.E.M. & HAVENGA, C.E., 1955. The wheel-point method of survey and measurement of semi-open grasslands and Karoo vegetation in South Africa. *Mem. bot. Surv. S. Afr.* No. 29, pp. 49.
- TILLET, E.R. & SAUNDER, D.H., 1959. Soil moisture relationships of some Rhodesian soils. *Rhodesia agric. J.* 56: 61-64.
- TIM, S.K., 1969. Developmental studies of certain South African ascomycetous Ascomycetes. Ph.D. thesis, Rhodes University.
- TINLEY, K.L., 1958a. A preliminary report on the ecology of Lake Sibayi, Tongoland. *St Lucia Documentation Centre*, Natal Parks Board, St Lucia Estuary.
- TINLEY, K.L., 1958b. A preliminary report on the ecology of the Kosi Lake System, Tongaland. *St Lucia Documentation Centre*, Natal Parks Board, St Lucia Estuary.
- TINLEY, K.L., 1966. An ecological reconnaissance of the Moremi Wildlife Reserve, Northern Okavango Swamps. Botswana. Johannesburg: Okavango Wildlife Society, pp. 146.
- TINLEY, K.L., 1967. The moist evergreen forest- tropical dry semi-deciduous forest transition zone in the north-eastern Zululand and hypotheses on past temperate/montane rain forests connections. In *Van Zinderen Bakker, E.M. (ed.), Palaeoecology of Africa 2:82-85*. Cape Town: Balkema.
- TINLEY, K.L., 1971. Etosha and the Kaokoveld. *Afr. wild Life suppl.* 25, 1, pp. 16.
- TINLEY, K.L., 1971. Lake St Lucia and its peripheral sand catchment. The ecology and implications of proposals to reprove a condemned system. *Wildlife Society of Southern Africa*, pp. 62.
- TOERIEN, D.F., 1974. The role of algal growth kinetics in the control of eutrophication problems. *News Lett. Limnol. Soc. sth. Afr.* 22: 37-46.
- TOERIEN, D.F., HATTINGH, W.H.J., KOTZE, J.P., THIEL, P.G. & SIEBERT, M.L., 1969. Factor analysis as an aid in an ecological study of aerobic digestion. *Wat. Res.* 3: 129-140.
- TOERIEN, D.F. & HUANG, C.H., 1973. Algal growth prediction using growth kinetic constants. *Wat. Res.* 7: 1673-1681.
- TOERIEN, D.F., HYMAN, K.L. & BRUWER, M.J., 1975. A preliminary trophic status classification of some South African impoundments. *Water S.A.* 1: 15-23.
- TOERIEN, D.F. & STEYN, D.J., 1973. Application of algal bioassays in eutrophication analysis. *S. Afr. J. Sci.* 69: 72-82.
- TOERIEN, D.F. & STEYN, D.J., 1975. The eutrophication levels for South African impoundments. *Verh. int. Verein. theor. angew. Limnol.* 19: 1947-1956.
- TÖLKEN, H.R., 1969. The genus *Talinum* (Portulacaceae) in Southern Africa. *Bothalia* 10: 17-28.
- TÖLKEN, H.R., 1973. *Crassulaceae*. *Cactus Succ. J., U.S.* 45: 293-295.
- TOMLINSON, R.W., 1974. Preliminary biogeographical studies on the Inyanga Mountains, Rhodesia. *S. Afr. geogr. J.* 56: 15-26.
- TOOKE, F.G.C., 1930. Insects in relation to prickly pear control. *S. Afr. J. nat. Hist.* 5: 386-393.
- TOPHAM, P., 1930. Man and the forests in Northern Nyasaland. *Emp. For. J.* 9: 213-225.
- TORRANCE, J.D., 1962. The agriculture climates of Southern Rhodesia. *Note Agric. Met. Rhod. Nyassald Met. Serv.* 10.
- TORRANCE, J.D., 1973. The 1972/73 rainy season and drought. *Rhod. Sci. News* 7, 3: 73.
- TORRE, A.R., 1962. New and little known species from the Flora Zambesiaca Area Part 13. *Bol. Soc. Brot. Ser.* 2, 36: 67-70.
- TRANSKEI, VEGETATION, 1901. Sketch map of the country between the Kei and Umzimkulu Rivers or the Transkeian Territories showing proposed railway routes, main and district roads, trading stations, agricultural zones and forests. Henkel, C.C. Pretoria, Botanical Research Institute.
- TRANSVAAL, OOS-TRANSVAAL HOËVELD, VEGETATION, n.d. Hoëveld Oos-Transvaal. 1:1 500 000. Pretoria, Botanical Research Institute.
- TRANSVAAL, SEKHUKHUNILAND, VEGETATION, 1960. Sketch map of the Vegetation of Sekhukhuniland. 1:250 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- TRANSVAAL, VEGETATION, n.d. National & Provincial Conserved Areas of the Transvaal. 1:1 500 000. Pretoria, Botanical Research Institute.
- TRANSVAAL, WARMBATHS, TOWOOMBA PASTURE RESEARCH STATION, VEGETATION, 1942. A map of the veld types occurring on Towoomba Pasture Research Station. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- TRANSVAAL, WESTFALIA ESTATE AND ENVIRONS, VEGETATION, 1967. Map of Westfalia Estate and Environs. 1:40 816. Scheepers, J.C. Pretoria, Botanical Research Institute.
- TRANSVAAL PROVINCIAL ADMINISTRATION, 1956. The Wonderboom Nature Reserve. *Fauna Flora*, Pretoria 7: 6-139.
- TRAPNELL, C.G., 1953. The soils, vegetation and agriculture of north-eastern Rhodesia. Lusaka: Government Printer.
- TRAPNELL, C.G., 1959. Ecological results of woodland burning experiments in Northern Rhodesia. *J. Ecol.* 47: 129-168.
- TRAPNELL, C.G. & CLOTHIER, J.N., 1957. The soils, vegetation and agricultural systems of north-western Rhodesia. Lusaka: Government Printer, pp. 81.
- TRAUSELD, W.R., 1970. Wild flowers of the Natal Drakensberg. Cape Town: Purnell.
- TREICHEL, J., 1959. Etosha Pan - in the largest wildlife reserve. *Anim. Kingd.* 62: 130-136.
- TRIMEN, R., 1873. Vegetation of Little Namaqualand. *J. Bot., Lond.* 11: 381-382.

- TROLLIP, L.H., 1965. Let's get soil conservation moving. Farmer's Weekly, Bloemfontein, 7 July, pp. 47.
- TROLLOPE, W.S.W., 1970. A consideration of macchia (fynbos) encroachment in South Africa and an investigation into methods of macchia eradication in the Amatole Mountains. M.Sc. thesis, University of Natal.
- TROLLOPE, W.S.W., 1972. Fire as a method of eradicating macchia vegetation in the Amatole mountains of South Africa - experimental and field scale results. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 99-120.
- TROLLOPE, W.S.W., 1973. Fire as a method of controlling macchia (fynbos) vegetation on the Amatole Mountains of the eastern Cape. Proc. Grassld Soc. sth. Afr. 8: 35-41.
- TROLLOPE, W.S.W., 1974a. Pasture management in the Ciskei. Fort Hare Pap. 6: 41-54.
- TROLLOPE, W.S.W., 1974b. The role of fire in preventing bush encroachment in the Eastern Cape. Proc. Grassld Soc. sth. Afr. 9: 67-72.
- TROLLOPE, W.S.W. & BOOYSEN, P.DE V., 1971. The eradication of macchia (fynbos) vegetation on the Amatole Mountains of the Eastern Cape. Proc. Grassld Soc. sth. Afr. 6: 28-38.
- TSCHINKEL, W.R., 1973. The sorption of water vapour by windborne plant debris in the Namib Desert. Madoqua, Ser. 2, 2: 21-24.
- TUNNINGTON, D., 1969. Observations on the growth rate of cones of *Encephalartos natalensis*. S. Afr. J. Sci. 65: 147-148.
- TWINCH, J.F., 1954. The integration of conservation practices into systems of stabilised farming in certain high rainfall areas in Natal. M.Sc. thesis, University of the Witwatersrand.
- TWYMAN, E.S., 1958. Plant physiology and crop production. S. Afr. J. Sci. 53: 50-55.
- TWYMAN, E.S. & ASHTON, P.J., 1972. An autecological investigation of the aquatic fern (*Azolla* species) in relation to the Hendrik Verwoerd Dam. Civ. Engr S. Afr. 14:2: 88-89.
- TYRRELL-GLYNN, W., & LEVYNS, M.R., 1963. Flora Africana. South African botanical books 1600-1963. Cape Town: South African Public Library. pp. 77.
- TYRRHELL, C.E.N., 1933. Some experimental studies of the wattle with special reference to water relations. M.Sc. thesis, University of South Africa.
- TYSON, P.D., 1963. A preliminary study of local air circulations and atmospheric pollution over Pietermaritzburg. M.Sc. thesis, University of the Witwatersrand.
- TYSON, P.D., 1964. Berg winds of South Africa. Weather, Lond. 19: 7-11.
- TYSON, P.D., 1968. Nocturnal local winds in a Drakensberg Valley. S. Afr. geogr. J. 50: 15-39.
- URTON, N.R., 1961. Guide to indigenous trees of the Eastern Cape. Port Elizabeth: Port Elizabeth Technical College. pp. 65.
- VAHRMEIJER, J., 1966. Notes on the vegetation of northern Zululand. Afr. wild Life 20: 151-161.
- VAHRMEIJER, J., 1970. 'n Ekologiese studie van Gifblaar *Dichapetalum cymosum* (Hook.) Engl. in die Pretoria omgewing. M.Sc. thesis, Potchefstroom University for CHE.
- VAN AARTSEN, J.P., 1943. Erosion and soil conservation in the Union of South Africa. Int. Rev. Agric. 34: 153-201.
- VAN BREDA, N.G., 1937a. An improved method in the study of root bisects. S. Afr. J. Sci. 34: 260-264.
- VAN BREDA, N.G., 1937b. A method of charting Karoo vegetation. S. Afr. J. Sci. 34: 265-267.
- VAN BREDA, N.G., 1939. An improved method of sowing grass and Karoo shrub seed. S. Afr. J. Sci. 36: 328-335.
- VAN BRUGGEN, A.C., 1961. The Chirinda Forest, Mount Selinda. A montane rain forest in Southern Rhodesia. K. fysioogr. Sallsk. Lund Forh. 31: 61-75.
- VAN DE VENTER, H.A., 1974. Distribution, leaf morphology, embryology and germination of the acaulescent species of *Sirelisia* Ait. Ph.D. thesis, University of Port Elizabeth.
- VAN DEN BERG, J.A., 1972. Die invloed van seisoenbeweiding op *Cymbopogon-Themedaveld*. M.Sc. thesis, University of the Orange Free State.
- VAN DEN BERG, J.A., ROBERTS, B.R. & VORSTER, L.F., 1975. Die uitwerking van seisoenbeweiding op die bedekking en samestelling van *Cymbopogon-Themedaveld*. Proc. Grassld Soc. sth. Afr. 10: 111-117.
- VAN DEN BERGHEN, C., 1948. Contribution a l'etude des especes Africaines du genre *Metzgeria*. Bull. Jard. bot. Etat Brux. 19: 187-201.
- VAN DEN BERGHEN, C., 1949. Contribution a l'etude des especes africaines du genre *Mastigolejeunea*. Bull. Jard. bot. Etat Brux. 18: 371-382.
- VAN DER BANK, W.J., 1964. Mechanical composition of red ferruginous Natal soils. M.Sc. thesis, University of Natal.
- VAN DER BANK, W.J., 1968. Bodemopname van Lichtenburg. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) No. 57, pp. 58.
- VAN DER BIJL, D., 1932. On the African veld. Cactus Succ. J., Los Ang. 3: 170-171.
- VAN DER BYL, P.A., 1929. The fungus flora of the Western Province of the Cape. In Adamson, R.S., Compton, R.H., Van der Byl P.A., Stephens, E.L. & Levyns, M.R. (eds), The botanical features of the south-west Cape Province, pp. 99-117. Cape Town: Speciality Press.
- VAN DER BYL, P.A., 1931. 'n Lys van Korsmosse (Lichens) versamel in die Unie van Suid-Afrika en in Rhodesia gedurende die tydperk 1917-1929. Annale Univ. Stellenbosch Serie A 9:3: 1-17.
- VAN DER EYK, J.J., 1965. Climate as a soil-forming factor in Natal. Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass., pp. 234-241.
- VAN DER EYK, J.J., MACVICAR, C.N. & DE VILLIERS, J.M., 1969. Soils of the Tugela Basin. Natal Town and Regional Planning Commission Report 15, Pietermaritzburg, pp. 263.
- VAN DER EYK, J.J. & ORCHARD, E.R., 1959. A regional soil survey of the Tugela Basin (Natal) based on aerial photos. In Proceedings of the 3rd inter-African soils conference, Dalaba.
- VAN DER LINGEN, I., PHIPPS, J.B. & TEMPLETON, H.A., 1960. Weed control in irrigation channels. Rhodesia agric. J. 57: 353-358.
- VAN DER LINGEN, M.I., 1972. Conservation of aquatic ecosystems. Rhod. Sci. News 6: 300.
- VAN DER MERWE, A.J., 1964. 'n Vergelykende studie van die transformasie van veranderlikes afkomstig uit 'n negatiewe binomiale populasie. M.Sc. (Agric.) thesis, University of the Orange Free State.
- VAN DER MERWE, A. LE R., BURGER, C.M. & WEHMEYER, A.S., 1966. Suid-Afrikaanse veldkosse: I. Makatinivlakte, Noord-Natal. Pretoria: National Food Research Institute. pp. 35.
- VAN DER MERWE, C.R., 1941. Soil groups and subgroups of South Africa. Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 231, pp. 316.
- VAN DER MERWE, C.R., 1952. The South African soil. Fmg S. Afr. 27: 206-208.
- VAN DER MERWE, C.R., 1954a. The soils of the desert and arid regions of South Africa. In Proceedings of the 2nd inter-African soils conference, 9-14 Aug. 1954, Leopoldville.
- VAN DER MERWE, C.R., 1954b. Kalahari and Sahara sandy soils. Int. Congr. Soil Sci. 5: 117-122.
- VAN DER MERWE, C.R., 1955. Clay minerals of soils of the desert and adjoining semi-arid regions. Soil Sci. 80.
- VAN DER MERWE, C.R., 1962. Soil groups and subgroups of South Africa. Sci. Bull. Dep. Agric. S. Afr. No. 356, pp. 355.
- VAN DER MERWE, C.R., ACOCKS, J.P.H., BRAIN, C.K., FROMMURZE, H.F., KOKOT, D.F., SCHUMANN, T.E.W. & TIDMARSH, C.E.M., 1951. Report of the Desert Encroachment Committee, Union of S.A. Pretoria: Government Printer. pp.27.
- VAN DER MERWE, C.R. & WEBER, H.W., 1965. The clay minerals of South African soils developed from dolerite under different climatic conditions. S. Afr. J. agric. Sci. 8: 111-141.
- VAN DER MERWE, D.H., 1967. The composition and physical properties of the clay soils on the mafic rocks of the Bushveld Igneous Complex. Proc. 4th Reg. Cont. Africa Soil Mech. pp. 141-146.
- VAN DER MERWE, F.J., 1959. The nutritive status of natural pastures in the Humansdorp area with special reference to a cobalt deficiency affecting sheep. S. Afr. J. agric. Sci. 141-163.

- VAN DER MERWE, G., 1967. The future of Lake St Lucia. *Bokmakierie* 19:2: 31-32.
- VAN DER MERWE, J.J., 1966. Be careful with new lands. *Fmg S. Afr.* 42:2: 19-21, 54 & 58.
- VAN DER MERWE, N.J., 1962. The position of nature conservation in South Africa. *Koedoe* 5: 1-122.
- VAN DER MERWE, N.J., 1964. The history of game preservation in South Africa. In Davis, D.H.S. (ed.), *Ecological studies in southern Africa*, pp. 363-370. The Hague: Junk.
- VAN DER MERWE, P., 1962. Floristiese opname van Swartboskloof Stellenbosch en die herstel van die flora na 'n brand. M.Sc. thesis, University of Stellenbosch.
- VAN DER MERWE, P., 1966. Die flora van Swartboskloof, Stellenbosch en die herstel van die soorte na 'n brand. *Annale Univ. Stellenbosch Serie* 41,14: 691-736.
- VAN DER MERWE, P., 1969. Datering van veld brande met behulp van *Protea mellifera* Thunb. *Tydskr. Natuurwet.* 9: 251-254.
- VAN DER MERWE, P. & VAN DER MERWE, D., 1968. Fire in the Swartboschkloof Nature Reserve. *Afr. wild Life* 22: 147-157.
- VAN DER MERWE, T., 1974. The rarest *Protea* of the fairest Cape. *Afr. wild Life* 28: 28-29.
- VAN DER PLANK, J.E., 1928. Storage and other carbohydrates in certain Natal plants and their behaviour during the winter resting season. M.Sc. thesis, University of South Africa.
- VAN DER SCHIJFF, H.P., 1949. 'n Fisiologies-ekologiese studie van *Geigeria passerinoides* L'Her. & Harv. met spesiale verwysing na die Vemeerbosprobleem in Griekwaland-Wes. M.Sc. thesis, Potchefstroom University for CHE. pp. 136.
- VAN DER SCHIJFF, H.P., 1956. Bush encroachment is a serious menace. *Farmer's Weekly*, Bloemfontein, 15 Feb., pp. 63-68.
- VAN DER SCHIJFF, H.P., 1958a. Ekologiese studie van die flora van die Nasionale Krugerwildtuin. D.Sc. thesis, Potchefstroom University for CHE. pp. 434.
- VAN DER SCHIJFF, H.P., 1958b. Inleidende verslag oor veldbrandnavorsing in die Nasionale Krugerwildtuin. *Koedoe* 1: 60-93.
- VAN DER SCHIJFF, H.P., 1959. Weidingsmooitlikhede en weidingsprobleme in die Nasionale Krugerwildtuin. *Koedoe* 2: 96-127.
- VAN DER SCHIJFF, H.P., 1962. The vegetation of the Kruger National Park. *Jl S. Afr. biol Soc.* 3: 21-22.
- VAN DER SCHIJFF, H.P., 1963. A preliminary account of the vegetation of the Mariepskop complex. *Fauna Flora, Pretoria* 14: 42-53.
- VAN DER SCHIJFF, H.P., 1964a. Die ekologie en verwantskappe van die sandveld flora van die Nasionale Krugerwildtuin. *Koedoe* 7: 56-76.
- VAN DER SCHIJFF, H.P., 1964b. 'n Hervaluasie van die probleem van bosindringing in Suid Afrika. *Tydskr. Natuurwet.* 4: 67-80.
- VAN DER SCHIJFF, H.P., 1965. Die invloed van termitaria op die plantegroei van die Nasionale Krugerwildtuin. *Tydskr. Natuurwet.* 5: 48-54.
- VAN DER SCHIJFF, H.P., 1968. Die topografie, geologie en grondsoorte van die Nasionale Krugerwildtuin met verwysing na plantegemeenskappe wat op die verskillende grondsoorte voorkom. *Tydskr. Natuurwet.* 8: 32-50.
- VAN DER SCHIJFF, H.P., 1969a. A checklist of the vascular plants of the Kruger National Park. *Publs Univ. Pretoria, New Series* No. 53, pp. 1-100.
- VAN DER SCHIJFF, H.P., 1969b. Weidingsprobleme en natuurbewaring. Deel 1. *Afr. wild Life* 23: 25-36.
- VAN DER SCHIJFF, H.P., 1969c. Weidingsprobleme en natuurbewaring. Deel 2. *Afr. wild Life* 23: 105-128.
- VAN DER SCHIJFF, H.P., 1969d. The affinities of the flora of the Kruger National Park. *Kirkia* 7: 109-120.
- VAN DER SCHIJFF, H.P., 1971. Die plantegroei van die distrikte Potgietersrus, Pietersburg en Soutpansberg in die noordelike Transvaal. *Tydskr. Natuurwet.* 11,2: 108-144.
- VAN DER SCHIJFF, H.P., 1974. Inheemse voerbome en struik en natuurbewaring. *Jl S. Afr. biol. Soc.* 15: 30-41.
- VAN DER SCHIJFF, H.P. & SCHOONRAAD, E., 1971. The flora of the Mariepskop Complex. *Bothalia* 10: 461-500.
- VAN DER SCHIJFF, H.P. & SNYMAN, L., 1970. The morphology and germination of the seed of *Elephantorrhiza elephantina*. *J. Arnold Arbor.* 51: 114-124.
- VAN DER SPUIY, U., 1971a. South African shrubs and trees for the garden. Johannesburg: Hugh Kwartland. pp. 215.
- VAN DER SPUIY, U., 1971b. Wild flowers of South Africa for the garden. Johannesburg: Hugh Kwartland. pp. 287.
- VAN DER WALT, J.J.A., 1971. 'n Taksonomies-morfologiese studie van die genus *Commiphora* Jacq. in Suid Afrika. Ph.D. thesis, University of Pretoria. pp. 184.
- VAN DER WALT, J.J.A., SCHWEICKERDT, H.G. & VAN DER SCHIJFF, H.P., 1970. Afwykende sekondere diktegroei by die stingels van die liane *Cocculus hirsutus* (L.) Diels (Menispermaceae) en *Pyrenacantha grandiflora* Baill. (Icacinaeae). *Tydskr. Natuurwet.* 10,2: 173-199.
- VAN DER WALT, J.L., 1961. Veld burning in the Sneeuberg Range, with special reference to scrub veld. *Fmg S. Afr.* 37,5: 33-35.
- VAN DER WALT, J.L., 1962. Ondersoek na 'n objektiewe metode van plantopname in die Sneeubergreeks. M.Sc. (Agric.) thesis, University of Pretoria. pp. 69.
- VAN DER WALT, P.T., 1968. A plant ecological survey of the Noorsveld. *Jl S. Afr. Bot.* 34: 215-234.
- VAN DER WALT, P.T., 1972. 'n Plantekologiese opname van Boschberg en sy omringende gebiede met spesiale verwysing na die weidingsfaktor. Ph. D. thesis, University of Natal.
- VAN DER WALT, T.L., 1971. Voorlopige verslag oor die reaksie van dorre Karooveld op beweging gedurende spesifieke jaargetye: Boesmangrasveld. *Proc. Grassld Soc. sth. Afr.* 6: 82-85.
- VAN DER WATT, H.V.H., 1966. Improved tables and a simplified procedure for soil particle size analysis by the hydrometer method. *S. Afr. J. agric. Sci.* 9: 911-916.
- VAN DER WESTHUIZEN, M., 1964. On the possibility of measuring soil moisture with high frequency electro-magnetic waves. *S. Afr. J. agric. Sci.* 7: 589-590.
- VAN DER ZEL, D.W., 1970. The effect of a thinning on flow in a Jonkershoek stream. *For. S. Afr. No.* 11, pp. 41-44.
- VAN DER ZEL, D.W., 1974. Catchment research at Zachariashoek. *For. S. Afr. No.* 15, pp. 23-40.
- VAN DER ZEL, D.W., 1975. Umgeni River catchment analysis. *Water S.A.* 1,2: 70-75.
- VAN DER ZEL, D.W. & DE VILLIERS, P.C., 1975. A hydro-economic evaluation of forestry in the Eerste River Catchment. *For. S. Afr. No.* 16, pp. 19-26.
- VAN DER ZEL, D.W. & KRUGER, F.J., 1975. Results of the multiple catchment experiments at the Jonkershoek Research Station, South Africa. 2. Influence of protection of fynbos on stream discharge in Langrivier. *For. S. Afr. No.* 16, pp. 13-18.
- VAN DER ZEL, D.W. & PLATHE, D.J.R., 1969. 'n Veldbrand eksperiment op meervoudige opvanggebiede in Jakkalsrivier, Lebanon. *For. S. Afr. No.* 10, pp. 63-71.
- VAN DER ZEL, D.W. & WICHT, C.L., 1974. Allocation of water to forestry and other users in the catchment of the Eerste River. *For. S. Afr. No.* 15, pp. 47-56.
- VAN EEDEN, F.J., 1966. Metodes om die digtheid van bome en struik in Bosveld te bepaal. M.Sc. (Agric.) thesis, University of Pretoria.
- VAN GRAAN, J.F., 1970. Die chemiese beheer van *Pachystigma pygmaeum* (Schltr.) Robyns. M.Sc. thesis, Potchefstroom University for CHE.
- VAN GRAAN, J.F., 1973a. Control of undesirable plant species in natural vegetation: comparison of three herbicides for the control of *Opuntia aurantiaca* (jointed cactus). *Agric. Res., Pretoria*, pp. 151-152.
- VAN GRAAN, J.F., 1973b. Control of undesirable plant species in natural vegetation: effect of DMSO on effectiveness of herbicides. *Agric. Res., Pretoria*, pp. 152-153.
- VAN HEERDEN, W., 1968. Conservation is everybody's job. *Veldtrus* 29,3: 12 & 21.
- VAN HOEPEN, E., 1968. Some interesting methods of fruit and seed dispersal in Transvaal plants. *Fauna Flora, Pretoria* 19: 17-23.
- VAN LAAR, A., 1962. A comparative test of the accuracy and efficiency of two hypsometers. *Jl S. Afr. For. Ass. No.* 43, pp. 22-25.
- VAN LAAR, A., 1963. The aerial photograph in forestry. Part. 1. *Jl S. Afr. For. Ass. No.* 47, pp. 23-33.

- VAN LAAR, A., 1964. The aerial photograph in forestry. Part 2. *Jl S. Afr. For. Ass.* No. 48, pp. 4-11.
- VAN LAAR, A., 1970. The angle-count method. *S. Afr. For. J.* No. 72, pp. 1-6.
- VAN LAAR, A., 1974. Potential use of the aerial photograph in South African forestry. *S. Afr. For. J.* No. 90, pp. 14-17.
- VAN LAAR, A. & GELDENHUYS, C.J., 1975a. Distribution and correlation patterns in an indigenous forest. *S. Afr. For. J.* No. 94, pp. 20-25.
- VAN LAAR, A. & GELDENHUYS, C.J., 1975b. Tariff table for indigenous tree species in the southern Cape Province. *For. S. Afr.* No. 17, pp. 29-36.
- VAN LAAR, A. & LEWARK, S., 1973. Sampling for forest inventories in the indigenous forest in the southern Cape Province. *For. S. Afr.* No. 14, pp. 35-43.
- VAN LIENDEN, W.G., 1959. Memorandum regarding the drainage and reclamation of a large tract of swamp lands belonging to the Crown, situated near the mouth of the Umfolozi and Umsinduzi Rivers, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- VAN NIEROP, J., 1974. Chirinda Forest. *Trees S. Afr.* 26: 16-18.
- VAN REENEN, R.J., 1923. A resume of the drought problem in the Union of South Africa. *S. Afr. J. Sci.* 20: 178-192.
- VAN REENEN, R.J., 1935. Weerstand teen droogte. Pretoria: Government Printer, p. 224.
- VAN REENEN, R.J., 1969. Note on the apparent regularity of the occurrence of wet and dry years in S.W.A. *Jl S.W. Africa scient. Soc.* 22: 94-95.
- VAN RENSBURG, C.J.J., 1944. Veld and soil reclamation and utilization in the Transvaal Bushveld. M.Sc. thesis, University of the Witwatersrand.
- VAN RENSBURG, H.J., 1939. A further contribution to the ecology of the highveld grassland at Frankenwald. *S. Afr. J. Sci.* 36: 238-245.
- VAN RENSBURG, H.J., 1941. A contribution to the control of *Stoebe vulgaris* (slangbos). *S. Afr. J. Sci.* 37: 175-179.
- VAN RENSBURG, H.J., 1942a. A comparison of quadrat results and phenological data in a series of highveld grassland grazing experiments subjected to different treatments over a period of six years. *S. Afr. J. Sci.* 38: 186-197.
- VAN RENSBURG, H.J., 1942b. A contribution to the ecological and economic aspects of *Cynodon dactylon* (Kweek). M.Sc. thesis, University of the Witwatersrand.
- VAN RENSBURG, H.J., 1968a. Growth and seasonal composition of natural grassland in Zambia. *J. Brit. Grassld Soc.* 23: 51-52.
- VAN RENSBURG, H.J., 1968b. Multipurpose survey of the Kafue River Basin. Vol. 4: Ecology of the Kafue Flats. Part 2. List of plant species. Rome: FAO.
- VAN RENSBURG, H.J., 1969. The effect of fire on vegetation. Farming in Zambia suppl. 4.3, pp. 4.
- VAN RENSBURG, H.J., 1971. Range management in Botswana. Botswana Notes and Records 3: 112-130.
- VAN RENSBURG, H.J., 1972a. The ecology of the Kafue basin in Zambia; an analysis of the plant ecology report which forms a part of the Kafue basin multipurpose survey carried out under the auspices of the Food and Agriculture organisation. Ph.D. thesis, University of the Witwatersrand.
- VAN RENSBURG, H.J., 1972b. Fire: its effect on grasslands, including swamps - southern, central and eastern Africa. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 175-199.
- VAN RENSBURG, M.C.J., 1961. Grassoorte in Suid-Afrika: 'n onomasologiese ondersoek. M.A. thesis, University of Pretoria.
- VAN RENSBURG, P.H.J.J., 1971. Grondbewaring en die saai van *Eragrostis curvula* saad op erg vernielde *Themeda-Cymbopogon* veld. *Proc. Grassld Soc. sth. Afr.* 6: 93-100.
- VAN RENSBURG, W.L.J., 1962. Die aandeel van grasse in veldtipes rondom Stellenbosch. M.Sc. thesis, University of Stellenbosch, pp. 182.
- VAN ROOYEN, T.H., 1964. Pedogenese van die Kranskop- en Clovellyseries. M.Sc. (Agric.) thesis, University of Natal.
- VAN ROOYEN, T.H., 1971. Soils of the central Orange River basin. D.Sc. thesis, University of the Orange Free State.
- VAN ROOYEN, T.H. & BURGER, R. DU T., 1974. Plant ecological significance of the soils of the central Orange River basin. *S. Afr. geogr. J.* 56: 60-66.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968a. Evaluation of the nutritive value of a *Themeda triandra* pasture in the central Orange Free State. 1. Botanical composition and nutritive value. *S. Afr. J. agric. Sci.* 11: 113-122.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968b. Evaluation of the nutritive value of a *Themeda triandra* pasture in the Central Orange Free State. 2. Comparison between quadrat and simulated grazing samples. *S. Afr. J. agric. Sci.* 11: 249-258.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968c. Evaluation of the nutritive value of a *Themeda triandra* pasture in the Central Orange Free State. 3. Grazing samples and selecting ability of cattle. *S. Afr. J. agric. Sci.* 11: 483-492.
- VAN STADEN, J., 1967. Deficiencies of major nutrient elements in *Protea cynaroides* Linn., grown in sand culture. 1. Foliar symptoms of deficiencies. *Jl S. Afr. Bot.* 33: 59-64.
- VAN STADEN, J., 1968a. Deficiencies of major nutrient elements in *Protea cynaroides* L., grown in sand culture. 2. Effect on growth and chemical composition. *Jl S. Afr. Bot.* 34: 27-30.
- VAN STADEN, J., 1968b. The effect of trace element deficiencies on the Botrivier Protea (*Protea compacta* R. Br.) in water culture. *Jl S. Afr. Bot.* 34: 397-400.
- VAN VUUREN, D.R.J. & VAN DER SCHIJFF, H.P., 1970. Vergelykende ekologiese studie van die plantegroei van 'n noordelike en suidelike kloof van die Magaliesberg. *Tydskr. Natuurwet.* 10: 16-84.
- VAN WIJK, P., 1957. Die invloed van die ligfaktor op die groei, ontwikkeling en voortplanting van 'n aantal mesofitiese grassoorte. M.Sc. thesis, Potchefstroom University for CHE, pp. 110.
- VAN WYK, J.J.P., 1959. 'n Sistemies-ekologiese studie van die plantegroei van die plaas Koedoesfontein, No. 746 en omgewing in die Rustenburg distrik. M.Sc. thesis, Potchefstroom University for CHE, pp. 165.
- VAN WYK, J.J.P., 1963. Savannah communities south of the Pilaansberg mountains in the western Transvaal. Ph.D. thesis, Duke University, California.
- VAN WYK, J.J.P., 1967. Ekologiese studies in verband met die agteruitgang en rehabilitasie van die grasbedekking in die laer Krokodilriviervallei noordwes van Thabazimbi. *S. Afr. med. J.* 41: 1248-1253.
- VAN WYK, J.J.P., BOSCH, O.J.H. & KRUGER, J.A. 1969. Droogtebeskadiging van bosveldbome en groot struike. *Proc. Grassld Soc. sth. Afr.* 4: 61-65.
- VAN WYK, P., 1971. A supplementary list of the flowering plants occurring in the Kruger National Park. *Koedoe* 14: 111-121.
- VAN WYK, P., 1972a. Trees of the Kruger National Park. Vol. 1 & 2. Cape Town: Purnell.
- VAN WYK, P., 1972b. Veld burning in the Kruger National Park, an interim report of some aspects of research. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 9-31.
- VAN WYK, P. & FAIRALL, N., 1969. The influence of the African elephant on the vegetation of the Kruger National Park. *Koedoe* 12: 57-89.
- VAN WYK, P. & WAGER, V.A., 1968. Problems of fire in the Kruger Park. *Afr. wild Life* 22: 269-280.
- VAN WYK, W.L., 1963. Ground water studies in northern Natal, Zululand and surrounding areas. *Mem. geol. Surv. S. Afr.* No. 52, pp. 135.
- VAN ZINDEREN BAKKER, E.M., (Jr), 1971. Ecological investigations on ravine forests of the eastern Orange Free State (South Africa). M.Sc. thesis, University of the Orange Free State.
- VAN ZINDEREN BAKKER, E.M. (Jr), 1973. Ecological investigations of forest communities in the eastern Orange Free State and the adjacent Natal Drakensberg. *Vegetatio* 28: 299-334.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1953. South African pollen grains and spores. Part 1. Cape Town: Balkema, pp. 88.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1955. A preliminary survey of the peat bogs of the alpine belt of northern Basutoland. *Acta geogr.* 14: 413-422.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1956. South African pollen grains and spores. Part 2. Cape Town: Balkema.

- VAN ZINDEREN BAKKER, E.M. (Sr), 1962. Botanical evidence for quaternary climates in Africa. *Ann. Cape Prov. Mus.* 2: 16-31.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1963. Palaeobotanical studies. *S. Afr. J. Sci.* 59: 332-340.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1964. Pollen analysis and its contribution to the palaeoecology of the Pleistocene in southern Africa. In Davis, D.H.S. (ed.), *Ecological studies in southern Africa*, pp. 24-34. The Hague: Junk.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1965. Über Moorvegetation und den Aufbau der Moore in Süd- und Ostafrika. *Bot. Jb.* 84: 215-231.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1966. Palynology in Africa. 6th, 7th and 8th reports. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa* 1: 5-220. Cape Town: Balkema.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1967. Upper Pleistocene and Holocene stratigraphy and ecology on the basis of vegetation changes in sub-Saharan Africa. In Bishop, W.W. & Clark, J.D.(eds), *Background to evolution in Africa*, pp. 125-146. Chicago: University of Chicago.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1969a. Intimations on Quaternary palaeoecology of Africa. *Acta Bot. neerl.* 18: 230-239.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1969b. Quaternary pollen analytical study in the southern hemisphere with special reference to the sub-Antarctic. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa* 5: 175- 212. Cape Town: Balkema.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1970. Observations on the distribution of Ericaceae in Africa. *Colloquium geogr.* 12: 89-97.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1975. The origin and palaeoenvironment of the Namib Desert biome. *J. Biogeogr.* 2: 65-73.
- VAN ZINDEREN BAKKER, E.M. (Sr) & BUTZER, K.W., 1973. Quaternary environmental changes in Southern Africa. *Soil Sci.* 116: 236-248.
- VAN ZINDEREN BAKKER, E.M. (Sr) & COETZEE, J.A., 1959. South African pollen grains and spores. Part 3. Cape Town: Balkema.
- VAN ZINDEREN BAKKER E.M. (Sr), KEULDER, P.C. & STEGMAN, P., 1972. Limnological and primary production studies of the Hendrik Verwoerd Dam and its catchment. *Civ. Engr S. Afr.* 14,2: 82-83.
- VAN ZINDEREN BAKKER, E.M. (Sr) & WERGER, M.J.A., 1974. Environment, vegetation and phytogeography of the high-altitude bogs of Lesotho. *Vegetatio* 29: 37-49.
- VAN ZYL, G.N., 1973. A plan for the St Lucia Lake Estuary. Natal Town & Regional Planning Report No. 27, Pietermaritzburg, pp. 36.
- VAN ZYL, J.H.M., 1965. The vegetation of the S.A. Lombard Reserve and its utilization by certain antelopes. *Zool. Afr.* 1: 55-71.
- VAN ZYL, J.P., 1926. Phosphorus deficiency in South African soils and vegetation. *S. Afr. J. Sci.* 23: 244-255.
- VAN ZYL, L.G., 1957. Voerbome en voerstruik (met notas oor inheemse spesies deur J.C. Bonsma). In *Hulpboek vir boere in Suid Afrika*. Deel 3, pp. 734-741. Pretoria: Department of Agriculture.
- VAN ZYL, L.G., 1970. Elephant grass in the south-eastern Transvaal. *Fmg S. Afr.* 46,4: 25-31.
- VAN ZYL, P.H.S., 1974. State Forest wilderness areas. *J. Mount. Club S. Afr.* 77: 5-15.
- VASSELLOT DE REGNE, COMPTE, 1882. The Cape forests. *Indian Forester* 8: 1-25, 134-153 & 246-262.
- VEGELER, P., 1920. Beobachtungen in Sudwest Angola und in Ambolande. *Z. Ges. Erdk. Berl.*, pp. 179-193.
- VENN, A.C. & LOXTON, R.F., 1974. Aerial photography, soil surveys and land capability classification for forestry planning in southern Africa. *S. Afr. For. J.* 90: 18-22.
- VENTER, A.D., 1962. Studies on the Nongoni veld of the Natal Mist Belt. M.Sc. thesis, University of Natal.
- VENTER, A.D., 1968. The problems of *Aristida junciformis* encroachment into the veld of Natal. *Proc. Grassld Soc. sth. Afr.* 3: 163-165.
- VENTER, A.D. & DREWES, R.H., 1968. Veld utilization during winter. *Fmg S. Afr.* 44,4: 41-43.
- VENTER, A.D. & DREWES, R.H., 1969. A flexible system of veld management. *Proc. Grassld Soc. sth. Afr.* 4: 104-107.
- VENTER, G.C.H., FOLSCHER, W.J. & OBERHOLSTER, R.E., 1967. Gronde van die Nootgedacht Navorsingstasie, Ermelo. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 61, pp. 20.
- VENTER, G.C.H. & OBERHOLSTER, A.E., 1965. 'n Gewysigde metode vir die bepaling van bukdigheid van grond. *S. Afr. J. agric. Sci.* 8: 73-77.
- VENTER, H.J.T., 1966. 'n Floristies-ekologiese studie van die plantegroei van die Ubisanavallei, Ngoye-berg Zoeloland. M.Sc. thesis, Potchefstroom University for CHE.
- VENTER, H.J.T., 1971a. A preliminary checklist to the Pteridophyta and Spermatophyta of the grassland and swamp communities of the Ngoye Forest Reserve, Zululand. *Jl S. Afr. Bot.* 37: 103-108.
- VENTER, H.J.T., 1971b. An ecological survey of the grasslands of the Ngoye Forest Reserve, Zululand. *Jl S. Afr. Bot.* 37: 213-218.
- VENTER, H.J.T., 1971c. Ekologie van die plantegroei van Richardsbaai. *S. Afr. J. Sci.* 67: 52-55.
- VENTER, H.J.T., 1972. An annotated checklist of the vascular flora of the Ubisana Valley, Mtunzini, Zululand. *Jl S. Afr. Bot.* 38: 215-235.
- VENTER, P.J., 1952. An early botanist and conservationist at the Cape. The Reverend John Croumbie Brown, L.L.D., F.R.G.S., F.L.S. *Archives Year Book for S.A. History* 15,2: 279-293.
- VENTER, R.J., 1950. Bibliography of regional meteorological literature. Vol. 1. southern Africa 1486-1948. Pretoria: Department of Transport, Weather Bureau, WB 12. pp. 412.
- VERBEECK, W.A., 1971. The need to safeguard and extend the pasture resources for animal production in South Africa. *Proc. Grassld Soc. sth. Afr.* 6: 12-15.
- VERBOOM, W.C., 1965a. The use of aerial photographs for vegetation surveys in relation with tsetse surveys in Zambia. *Publs int. Train. Cent. aer. Surv. Ser. B.* 28.
- VERBOOM, W.C., 1965b. Legumes in Zambia. *Trop. Agric. Trin.* 42: 229-242.
- VERBOOM, W.C., 1966a. *Brachiaria dura*, a promising new forage grass. *J. Range Mgmt* 19: 19-23.
- VERBOOM, W.C., 1966b. The grassland communities of Barotseland. *Trop. Agric. Trin.* 43: 101-116.
- VERBOOM, W.C. & BRUNT, M.A., 1970. An ecological survey of Western Province, Zambia, with special reference to the fodder resources. 1. The environment. 2. The grasslands and their development. *Land Resource Study No. 8*, Land Resources Division, Directorate of Overseas Surveys, Tolworth.
- VERDCOURT, B., 1967. The "arid corridor" between S.W. Africa and the horn of Africa. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa* 2: 76. Cape Town: Balkema.
- VERDCOURT, B., 1969. The "arid corridor" between the north-east and south-west area of Africa. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa* 4: 140- 144. Cape Town Balkema.
- VERDOORN, I.C., 1923. The flowering parasitic plants found in South Africa. *S. Afr. J. nat. Hist.* 4: 221-228.
- VERDOORN, I.C., 1933. The Baobab. *S. Afr. J. Sci.* 30: 255-257.
- VERDOORN, I.C., 1938. Edible wild fruits of the Transvaal. Pretoria: Government Printer, pp. 110.
- VERDOORN, I.C., 1942. 'n Inleiding tot plantkunde en tot enige Transvaalse veldblomme. Pretoria: Van Schaik. pp. 46.
- VERDOORN, I.C., 1947. Preliminary checklist of the flora of Fauresmith. Botanical Research Institute Library, Pretoria. pp. 20.
- VERDOORN, I.C., 1952. *Encephalartos natalensis*, the cycad of the Valley of a Thousand Hills. *S. Afr. J. Sci.* 48: 162.
- VERDOORN, I.C., 1957. The Baobab or Kremetartboom. *Afr. wild Life* 11: 95-99.
- VERDOORN, I.C., 1958. The proposed flora of South Africa. *S. Afr. J. Sci.* 54: 74.
- VERDOORN, I.C., 1969. Notes on the vegetation of the Fountains Valley, Pretoria. *S. Afr. J. Sci.* 26: 190-194.
- VERSCHUUR, T.B., 1955. The Percy Fyfe Nature Reserve. *Fauna Flora, Pretoria* 6: 69-77.
- VERSTER, E., 1971. Soil survey of Makwassie. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 56, pp. 60.
- VERSTER, E. & DE VILLIERS, J.M., 1928. Criteria for the

- recognition of oxisols - a preliminary examination. S. Afr. J. agric. Sci. 11: 1-8.
- VERSTER, E., DE VILLIERS, J.M. & SCHEEPERS, J.C., 1973. Gilgai in the Rustenburg area. Agrochemophysica 4: 57-62.
- VESEY-FITZGERALD, D.F., 1963. Annotated list of grasses collected in the Congo drainage basin of Northern Rhodesia and Tanganyika. Kirkia 3: 78-111.
- VILJOEN, A., 1970. Catchment protection in the winter rainfall region. Fmg S. Afr. 46:7: 57-61.
- VILJOEN, L. & ROBBERTS, B.R., 1968. Ontwikkeling van lignien in *Themeda triandra*, *Cymbopogon plurinodis* en *Eragrostis lehmanniana*. Proc. Grassld Soc. sth. Afr. 3: 101-104.
- VILJOEN, P.R., 1919. Preliminary report on the harmful effects of "Steek" grass on the general health and condition of sheep. Rep. vet. Res. Un. S. Afr. No. 5/6, pp. 321-333.
- VINCENT, F.D.A., 1883. Timber trees at the Cape. Indian Forester 9: 24-25.
- VINCENT, V., 1959. Classification of soils for land use purposes in Northern Rhodesia. 11. Land capability classification. In Proceedings of the 3rd inter-African soils conference, pp. 354-360.
- VINCENT, V. & THOMAS, R.G., 1962. An agricultural survey of Southern Rhodesia. Part 1. Agro-ecological survey. Salisbury: Federal Department of Printing & Stationery. pp. 124.
- VISSER, J.H., 1966. Bemesting van die veld. Proc. Grassld Soc. sth. Afr. 1: 41-48.
- VLOK, J.J.A.L., 1963. The feed value of natural grazing in the border areas between the winter and summer rainfall regions in the district of Calvinia. M.Sc. (Agric.) thesis, University of Stellenbosch.
- VOGEL, S., 1955. Niedere Fensterpflanzen in der Sudafrikanischen Waste. Beitr. Biol. Pfl. 31: 45-135.
- VOGTS, M., 1959. The South African Proteaceae. Pamph. S. Afr. biol. Soc. No. 21, pp. 23-24.
- VOGTS, M.M., 1971. Die geografie en die geografiese variasie van *Protea cynaroides*. D.Sc. thesis, University of Stellenbosch.
- VOLK, O.H., 1964. Die afro-meridional-occidentale Floren-Region in S.W. Afrika. In Kreeb, K., Beitrage zur phytologie, pp. 1-16. Stuttgart: Ulmer.
- VOLK, O.H., 1966. Die Florengebiete von Sudwestafrika. JI S.W. Africa scient. Soc. 20: 25-58.
- VOLK, O.H., 1970. Botanische Grundlagen der Karakulhaltung in Sudwestafrika. JI S.W. Africa scient. Soc. 24: 59-98.
- VOLK, O.H., 1974. Graser des Farmgebietes von Sudwestafrika. Windhoek: S.W.A. Wissenschaftlichen Gesellschaft. pp. 61.
- VOLK, O.H. & GEYER, E., 1970. Schaumboden als Ursache der Vegetationslosigkeit in ariden Gebieten. Z. Geomorph. 14: 79-95.
- VOLK, O.H. & LEIPPERT, H., 1971. Vegetationsverhältnisse in Windhoeker Bergland, Sudwestafrika. JI S.W. Africa scient. Soc. 25: 5-44.
- VON BERG, D.A., 1964. The effects of a grass ley on the fertility of a Transvaal soil. M.Sc. thesis, University of the Witwatersrand.
- VON BERG, D.A., 1966. Fertilization of vleis pastures. Fmg S. Afr. 42:8: 37-39 & 41.
- VON BERG, D.A., 1970. Measuring the productive capacity of pastures ... a biological method. Fmg S. Afr. 46:2: 81-84.
- VON BREITENBACH, F., 1965. The indigenous trees of southern Africa. Pretoria: Government Printer.
- VON BREITENBACH, F., 1966. Fifty trees of the Cape midlands indigenous forests. Pretoria: Government Printer.
- VON BREITENBACH, F., 1968. Southern Cape indigenous forest management manual. 4 vols. George: Department of Forestry. pp. 189, 149, 42 & 106.
- VON BREITENBACH, F., 1971. Notes on the southern Cape indigenous forests. Trees S. Afr. 23: 30-41.
- VON BREITENBACH, F., 1972a. Afrikaanse boomname in die Suid-Kaap. Trees S. Afr. 24: 2-14.
- VON BREITENBACH, F., 1972b. Indigenous forests of the southern Cape. J. bot. Soc. S. Afr. 58: 18-47.
- VON BREITENBACH, F., 1974a. A list of tree names. 1. Trees S. Afr. 26: 40-50.
- VON BREITENBACH, F., 1974b. Southern Cape forests and trees: a guide. Pretoria: Government Printer. pp. 328.
- VON BREITENBACH, F., 1975a. A list of tree names. 2. Trees S. Afr. 26: 92-103.
- VON BREITENBACH, F., 1975b. A list of tree names. 3. Trees S. Afr. 27: 10-22.
- VON BREITENBACH, F., 1975c. A list of tree names. 4. Trees S. Afr. 27: 38-46.
- VON BREITENBACH, F., 1975d. A list of tree names. 5. Trees S. Afr. 27: 65-72.
- VON BREITENBACH, J., 1974. The wild figs of southern Africa. Trees S. Afr. 26: 58-80.
- VON BROEMBSSEN, H.H., 1952. Photography as a means of recording vegetation changes in pastures. S. Afr. J. Sci. 48: 235-240.
- VON BROEMBSSEN, H.H., 1962. Population pattern in plant communities. M.Sc. thesis, University of the Witwatersrand.
- VON BROEMBSSEN, H.H., 1965a. A wheel-point apparatus for the survey and measurement of open and semi-open savannah vegetation. Int. Grassld Congr. 9: 1345-1348.
- VON BROEMBSSEN, H.H., 1965b. A study of the point method of vegetation measurement by means of an electronic analogue apparatus. Int. Grassld Congr. 9: 1409-1414.
- VON BROEMBSSEN, H.H., 1966. The logarithmic series applied to point samples drawn from natural pastures. Int. Grassld Congr. 10: 913-916.
- VON BROEMBSSEN, H.H., 1972. Plant pattern studies. Agric. Res., Pretoria, pp. 26-27.
- VON CHRISTEN, H.C., 1964. Some observations on the forest soils of South Africa. For. S. Afr. No. 5, pp. 1-21.
- VON DEM BUSSCHE, G.H., 1974. Conservation management of the indigenous forest in the Southern Cape Forest region. S. Afr. J. Sci. 70: 49-50.
- VON DEM BUSSCHE, G.H., 1975. Indigenous forest conservation management. S. Afr. For. J. No. 93, pp. 25-31.
- VON GODOW, K., 1973. Observations on the utilization of indigenous trees by the Knysna elephants. For. S. Afr. No. 14, pp. 14-17.
- VON JENEY DE BOROSJENO, N.L.T.R.M., 1973. Toxic principles of *Geigeria filifolia* Mattf. M.Sc. (Agric.) thesis, University of Pretoria.
- VON RICHTER, W., 1974. Survey of the adequacy of existing conserved areas in relation to wild animal species. Koedoe 17: 39-69.
- VORSTER, L.F., 1963. Bemestingstudies in verband met *Eragrostis curvula* (Schröd.) Nees Ermelotipe. M.Sc. (Agric.) thesis, University of Pretoria.
- VORSTER, L.F. & MOSTERT, J.W.C., 1968. Veld fertilization trends over a decade in the central Orange Free State. Proc. Grassld Soc. sth. Afr. 3: 111-119.
- VORSTER, P. & VORSTER, E., 1973. The African cycads. Excelsa 3: 14-22 & 26.
- VORSTER, P.J., 1970. A floristic-ecological survey of the Bryophyta of Mariëpskop. M.Sc. thesis, University of Pretoria.
- VORSTER, P.W., 1943. Established grasses for the winter rainfall area. Fmg S. Afr. 18: 169-175.
- VORSTER, T.B., 1975. Lokale variasies in kiemsak-ontwikkeling by die *Eragrostis curvula* (Schröd.) Nees-kompleks. M.Sc. (Agric.) thesis, University of Pretoria.
- VOWINCKEL, E., 1958. Fire-danger rating. JI S. Afr. For. Ass. No. 31, pp. 58-73.
- VOWINCKEL, E., 1961. Potential growth areas for introduced tree species. For. S. Afr. 1: 91-104.
- WAGER, H.A., 1917. A check-list of the mosses of South Africa. Pretoria, pp. 20.
- WAGER, V.A., 1928. The structure and life history of South African Lagarosiphons and notes and descriptions of a few uncommon water plants. Trans. R. Soc. S. Afr. 16: 191-204.
- WAGER, V.A., 1972. Kosi Bay. Afr. wild Life. 26:2: 81-86.
- WAGER, V.A., 1973. Early days at St Lucia. Natal Wildlife 14:2: 11-13.
- WAGER, V.A. & ROWE-ROWE, D.A., 1972. The effects of *Tilapia rendalli* and *T. mossambica* on aquatic macrophytes and fauna in five ponds. S. Afr. J. Sci. 68: 257-260.
- WALKER, B.H., 1970. An evaluation of eight methods of botanical analysis on grasslands in Rhodesia. J. appl. Ecol. 7: 403-416.

- WALKER, B.H., 1974a. Ecological considerations in the management of semi-arid ecosystems in South-Central Africa. In Proceedings of the 1st international congress on ecology, pp. 124-129.
- WALKER, B.H., 1974b. Some problems arising from the preliminary manipulation of plant ecological data for subsequent numerical analysis. *Jl S. Afr. Bot.* 40: 1-13.
- WALKER, P.H., 1934. Fossil flora and the progression of the tropics. *S. Afr. J. Sci.* 31: 238-239.
- WALMSLEY, R.D., BREEN, C.M. & KYLE, E., 1973. Aspects of the fern-alga relationship in *Azolla filiculoides*. *News Lett. Limnol. Soc. sth. Afr.* 20: 13-21.
- WALSH, L.H., 1909. South African poisonous plants. Cape Town: Maskew Miller.
- WALTER, H., 1936a. Die ökologischen verhältnisse in der Namib-Nebelwüste (Sudwestafrika) unter Auswertung der Aufzeichnungen der Dr G. Boss (Swakopmund). *Jb. Wiss. Bot.* 84: 58-222.
- WALTER, H., 1936b. Die ökologischen verhältnisse in der nebelwüste Namib. *Ber. dt. bot. Ges.* 54: 39-44.
- WALTER, H., 1936c. Die periodizität von trocken und regenzeiten in Deutsch-Sudwestafrika auf grund von Jahres ringmessungen an baumen. *Behr. dt. bot. Ges.* 54: 608-620.
- WALTER, H., 1936d. Die vegetationsverhältnisse in der Namib-Nebelwüste. *Forsch. Fortschr.* 12: 293-294.
- WALTER, H., 1939a. Grasland, savanne und busch der arideren teile Afrikas in ihrer ökologischen bedingtheit. *Jb. wiss. Bot.* 87: 750-860.
- WALTER, H., 1939b. Ökologische Untersuchungen in Deutsch-Sudwestafrika und ihre Bedeutung für die Landwirtschaft. *Ber. dt. bot. Ges.* 57: 53-77.
- WALTER, H., 1940. Der Nährwert sudwest-afrikanischer Futterpflanzen. *Tropenpflanzer* 43: 141-153.
- WALTER, H., 1941a. Die Landwirtschaft in Deutsch-Sudwestafrika. Berlin: Paul Parey. pp. 325.
- WALTER, H., 1941b. Die natürliche weide in Deutsch-Sudwestafrika als ernährungsgrundlage für das vieh. *Dt. tierärztl. wscrh. koltierarzt. suppl.* 49: 394-396.
- WALTER, H., 1954a. Das savannenproblem und die gefahr der verbuschung. *Int. bot. Congr.* 8.7: 185-187.
- WALTER, H., 1954b. Die verbuschung, eine erscheinung der subtropischen savannengebiete, und ihre ökologischen ursachen. *Vegetatio* 5/6: 6-10.
- WALTER, H., 1962. Die vegetation der Erde in ökologischer Betrachtung. I. Die tropischen und subtropischen Zonen. Jena: Fischer. pp. 538.
- WALTER, H., 1964. Productivity of vegetation in arid countries, the savanna problem and bush encroachment after overgrazing. *Tech. Meet. int. Un. Conserv. Nat. nat. Resour.* 9: 221-229.
- WALTER, H., 1965. Über die Jahreskurven des osmotischen wertes bei einigen Hartlaubarten des kaplandes. *Jl S. Afr. Bot.* 31: 225-236.
- WALTER, H., 1971a. The Namib Fog Desert. In Walter, H., Ecology of tropical and subtropical vegetation, pp. 338-374. Edinburgh: Oliver & Boyd.
- WALTER, H., 1971b. Ecology of tropical and sub-tropical vegetation. Edinburgh: Oliver & Boyd. pp. 539.
- WALTER, H., 1973a. Die vegetation der erde in öko-physiologischer betrachtung. I. Die tropischen und subtropischen zonen. 3rd edn. Stuttgart: Fischer. pp. 743.
- WALTER, H., 1973b. Vegetation of the earth in relation to climate and the ecophysiological conditions. New York: Springer - Verlag. pp. 237.
- WALTER H., HARNICKELL, E. & MUELLER-DOMBOIS, D., 1975. Klimadiagramm-karten der einzelnen kontinente und die ökologische klimagliederung der erde. Herausgegeben von Walter, H., Vegetationsmonographien der einzelnen grossräume. Band 10. Stuttgart: Fischer.
- WALTER, H. & VOLK, O.H., 1954. Grundlagen der weidewirtschaft in Sudwestafrika und bestimmungsschuss I für die sudwestafrikanischen grasgattungen. Stuttgart: Ulmer. pp. 281.
- WALTERS, M.M., 1940. Soil erosion in the Eastern Transvaal. *Fmg S. Afr.* 15: 297 & 312.
- WALTON, J., 1925. On South African fossil woods. *Ann. S. Afr. Mus.* 22: 1-26.
- WARD, C.J., 1962a. Report on scrub control, Hluhluwe Game Reserve. *Lammergeyer* 2: 57-62.
- WARD, C.J., 1962b. Report on weed growth in the upper reaches of St Lucia Estuary. St Lucia documentation Centre, Natal Parks Board, St Lucia Estuary.
- WARD, C.J., 1971. The plant ecology of the Isipingo beach area, Natal, South Africa. M.Sc. thesis, University of Natal.
- WARD, C.J., 1975. Mapelane-Cape St Lucia Dune System. Comments on proposed mining operations. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- WARD, H.K. & CLEGHORN, W.B., 1964. The effects of ring-barking trees in *Brachystegia* woodland on the yield of veld grasses. *Rhodesia agric. J.* 61: 98-105 & 107.
- WARD, H.K. & CLEGHORN, W.B., 1970. The effects of grazing practices on tree regrowth after clearing indigenous woodland. *Rhod. J. agric. Res.* 8: 57-65.
- WARMING, E., 1909. The ecology of plants. Oxford: Clarendon Press.
- WARREN, M., 1965. A study of soil nutritional and other factors operating in secondary succession in the Highveld Grassland in the neighbourhood of Johannesburg. Ph.D. thesis, University of the Witwatersrand.
- WATERMEYER, J.C., 1900. Notes on a journey in German South West Africa. *Trans. S. Afr. phil. Soc.* 11: 19-33.
- WATSON, J.P., 1964. A soil catena on granite in Southern Rhodesia. *J. Soil. Sci.* 15: 238-257.
- WATSON, J.P., 1965. A soil catena on granite in Southern Rhodesia. 3. Clay minerals. 4. Heavy minerals. 5. Soil evolution. *J. Soil. Sci.* 16: 158-169.
- WATT, J.M., 1930. The poisonous plants of South Africa. *J. med. Ass. S. Afr.* 4: 221-225.
- WATT, J.M., 1937. Plants and poisoning in man with a short account of plant allergy. *S. Afr. J. Sci.* 33: 702-707.
- WATT, J.M. & BREYER-BRANDWIJK, M.G., 1928. The present position of our knowledge of South African medicinal and poisonous plants. *S. Afr. J. Sci.* 25: 227-236.
- WATT, J.M. & BREYER-BRANDWIJK, M.G., 1962. The medicinal and poisonous plants of Southern and Eastern Africa. 2nd edn. Edinburgh: Livingstone. pp. 1457.
- WATT, J.S., 1959. Report of the SARCCUS subcommittee on land use for the semi-arid regions of Southern Africa. *Sols afr.* 4: 42-90.
- WATT, W.E., 1947. The conservation of existing forests and the need to plant forest trees for effective soil conservation in the Union of South Africa. *Jl S. Afr. For. Ass.* No. 15, pp. 8-10.
- WEARE, P.R. & YALALA, A., 1971. Provisional vegetation map of Botswana. Botswana Notes and Records 3: 131-147.
- WEARNE, W.D., 1963. Preliminary notes on the ecological history of the St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- WEATHER BUREAU, 1957. Climate of South Africa. Part 4. Rainfall maps. Pretoria: Department of Transport, Weather Bureau, WB 22. pp.20.
- WEATHER BUREAU, 1972. Climate of South Africa. Part 10. District rainfall for South Africa and the annual march of rainfall over South Africa. Pretoria: Department of Transport, Weather Bureau, WB 35. pp 116.
- WEATHER BUREAU, 1974. Climate of South Africa. Part 11. Extreme values of rainfall, temperature and wind for selected return periods. Pretoria: Department of Transport, Weather Bureau, WB 36. pp. 29.
- WEATHER BUREAU, 1975. Climate of South Africa. Part 12. Surface winds. Pretoria: Department of Transport, Weather Bureau, WB 38. pp. 79.
- WEAVER, J.E. & CLEMENTS, F.E., 1938. Plant ecology. New York: McGraw Hill.
- WEBB, B.E., 1963. Utilization of Miombo species in Northern Rhodesia. CSA/CCTA Pubs No. 52. pp. 65-67.
- WEBSTER, R., 1959. Genesis and classification of upland soils in Northern Rhodesia. CSA/CCTA Pubs No. 50. pp. 50.
- WEBSTER, R., 1965. A catena of soils on the Northern Rhodesia plateau. *J. Soil. Sci.* 16: 31-43.
- WEIBRENN, C., 1938. A comparative study of the osmotic values of the leaf saps of certain South African Highveld grasses. *S. Afr. J. Sci.* 35: 317-318.
- WEIMANN, H., 1955. The chemistry and physiology of grasses. In Meredith, D.(ed.). The grasses and pastures of South Africa, pp. 571-600. Johannesburg: Central News Agency.

- WEIMANN, H. & LE ROUX, R., 1946. A critical study of the Corsien balance method of measuring transpiration. S. Afr. J. Sci. 42: 147-153.
- WEIMARCK, H., 1933. Die verbreitung einiger afrikanisch-montanen pflanzengruppen, 1-2. Svensk bot. Tidskr. 27: 400-419.
- WEIMARCK, H., 1936. Die verbreitung einiger afrikanisch-montanen pflanzengruppen, 3-4. Svensk bot. Tidskr. 30: 36-56.
- WEIMARCK, H., 1941. Phytogeographical groups, centres and intervals within the Cape flora. Acta Univ. lund. 2,37: 1-143.
- WEINBRENN, C., 1940. Further investigation on the osmotic values of the leaf saps of certain South African highveld grasses. S. Afr. J. Sci. 36: 265-269.
- WEINBRENN, C., 1946. Preliminary account of an investigation into the germination of seeds of *Cynodon dactylon*. S. Afr. J. Sci. 42: 142-143.
- WEINMANN, A., 1937. Report on experiments with 'Fantastic'. Investigations on the storage of root reserves in some South African grasses. M.Sc. thesis, University of the Witwatersrand.
- WEINMANN, A., 1940. Storage of root reserves in Rhodes grass. Pl. Physiol., Lancaster 15: 467-484.
- WEINMANN, H., 1938. The effect of fertiliser treatment on Transvaal highveld. S. Afr. J. Sci. 35: 246-249.
- WEINMANN, H., 1940. Seasonal chemical changes in the roots of some South African highveld grasses. J. S. Afr. Bot. 6: 131-146.
- WEINMANN, H., 1942. On the autumnal remigration of nitrogen and phosphorus in *Trachypogon plumosus*. J. S. Afr. Bot. 8: 179-196.
- WEINMANN, H., 1943a. Yields and chemical composition of pasture herbage as influenced by fertilizing and frequent clipping. S. Afr. J. Sci. 40: 127-134.
- WEINMANN, H., 1943b. Effects of defoliation intensity and fertilizer treatment on Transvaal highveld. Emp. J. exp. Agric. 11: 113-124.
- WEINMANN, H., 1944. Root reserves of South African highveld grasses in relation to fertilizing and frequency of clipping. J. S. Afr. Bot. 10: 37-54.
- WEINMANN, H., 1948a. Effects of grazing intensity and fertilizer treatment on Transvaal highveld. Emp. J. exp. Agric. 16: 111-118.
- WEINMANN, H., 1948b. Investigations on the underground reserves of South African grasses. S. Afr. J. Sci. 2: 12-15.
- WEINMANN, H., 1949. Productivity of Marandellas sandveld pasture in relation to frequency of cutting. Rhodesia agric. J. 46: 175-189.
- WEINMANN, H., 1950. Productivity and nutritive value of star grass pastures. S. Afr. J. Sci. 47: 143-144.
- WEINMANN, H. & GOLDSMITH, E.P., 1949. Underground reserves of *Cynodon dactylon*. Pers. In Better turf through research. Johannesburg: AECL.
- WEINTROUB, D., 1930. The aquatic and sub-aquatic vegetation and flora of the Witwatersrand. M.Sc. thesis, University of the Witwatersrand.
- WEINTROUB, D., 1933. A preliminary account of the aquatic and sub-aquatic vegetation and flora of the Witwatersrand. J. Ecol. 21: 44-57.
- WEISS, F.E., 1906. Some aspects of the vegetation of South Africa. New Phytol. 4: 223-232 & 5: 1-9.
- WEISS, F.E. & YAPP, R.H., 1906. Sketches of vegetation at home and abroad. 3. The Karoo in August. New Phytol. 5: 101-115.
- WELLAN, J.A., 1965. The habitat of *Welwitschia bainesii* (Hook. f.) Carr. Kirkia 5: 33-35.
- WELLINGTON, J.H., 1933. The middle course of the Orange River. S. Afr. geogr. J. 16: 58-68.
- WELLINGTON, J.H., 1944. The boundaries of the High Veld. S. Afr. geogr. J. 26: 76-81.
- WELLINGTON, J.H., 1946. A physiographic regional classification of South Africa. S. Afr. geogr. J. 28: 64-86.
- WELLINGTON, J.H., 1949. A new development scheme for the Okovango delta, northern kalahari. Geogr. J. 113: 62-69.
- WELLINGTON, J.H., 1955. Southern Africa: a geographical study. Vol 1. Physical geography. Cambridge: Cambridge University Press. pp 528.
- WELLINGTON, J.H., 1970. Zambesi-Okovango development projects. Geogr. Rev. 39: 552-567.
- WELLINGTON, J.H., 1973a. Desert and arid regions. In Potgieter, D.J. et al. (eds), Standard encyclopedia of southern Africa 3: 650-655. Cape Town: Nasou.
- WELLINGTON, J.H., 1973b. Namib. In Potgieter, D.J. et al. (eds), Standard encyclopedia of southern Africa 8: 33-36. Cape Town: Nasou.
- WELLS, L.H., 1967. N.E.-S.W. "Arid Corridor" in Africa. S. Afr. J. Sci. 63: 480-481.
- WELLS, M.J., 1960. The climate and vegetation of the Loskop Dam Nature Reserve. Fauna Flora, Pretoria 11: 21-36.
- WELLS, M.J., 1963. An account of the plant ecology of the Nagle Dam area of Natal. M.Sc. thesis, University of Natal.
- WELLS, M.J., 1964. The vegetation of the Jack Scott Nature Reserve. Fauna Flora, Pretoria 15: 17-25.
- WELLS, M.J., 1965. An analysis of plant remains from Scott's Cave in the Gamtoos Valley. S. Afr. Archeol. Bull. 78: 79-84.
- WELLS, M.J., 1970. Plant remains from Amanzi Spring. Ann. Cape Prov. Mus. 8: 191-194.
- WELLS, M.J., 1973. The effect of the wagon building industry on the Amatola Forests. Bothalia 11: 153-157.
- WELLS, M.J. & STREY, R.G., 1961. Plants of the Abel Erasmus Pass. Fauna Flora, Pretoria 12: 25-37.
- WELMAN, W.G., 1970. The South African fern spores. In Van Zinderen Bakker, E.M. (ed.), South African pollen grains and spores 4: 1-110. Cape Town: Balkema.
- WELSH, H., 1964a. A contribution to our knowledge of the blue-green algae of South West Africa. Nova Hedwigia 7: 15-32.
- WELSH, H., 1964b. A method of cleaning diatoms and the preparation of permanent slides for ecological survey work. News Lett. Limnol. Soc. sth. Afr. No. 1, pp. 39-47.
- WELSH, H., 1965. A contribution to our knowledge of the blue-green algae of South West Africa and Bechuanaland. Nova Hedwigia 9: 131-162.
- WELWITSCH, F., 1859. Letters on the vegetation of west equinoctial Africa. J. Linn. Soc. (Bot.) 3: 150-157.
- WELWITSCH, F., 1861. The botany of Benguela, Mossamedes in Western Africa. J. Linn. Soc. (Bot.) 5: 182-187.
- WELWITSCH, F., 1869. Sertum Angolense, sive slurpium quaraundam novarum vel minus cognitarum in itinere per Angolum et Benguellam observatarum. Trans. Linn. Soc. Lond. 27: 1-94.
- WELWITSCH, F. & CURREY, F., 1870. Fungi angolenses: a description of the fungi collected by Dr Friedrich Welwitsch in Angola during the years 1850-1861. Trans. Linn. Soc., Lond. 26: 279-294.
- WENT, O., 1937. An investigation of the methods of botanical analysis of pasture. S. Afr. J. Sci. 33: 501-559.
- WERGER, M.J.A., 1972. Species-area relationship and plot size: with some examples from South African vegetation. Bothalia 10: 583-594.
- WERGER, M.J.A., 1973a. An account of the plant communities of Tussen die Riviere Game Farm, Orange Free State. Bothalia 11: 165-176.
- WERGER, M.J.A., 1973b. Notes on the phytogeographical affinities of the southern kalahari. Bothalia 11: 177-180.
- WERGER, M.J.A., 1973c. Phytosociology of the Upper Orange River Valley, South Africa. A syntaxonomical and synecological study. Ph.D. thesis, University of Nijmegen.
- WERGER, M.J.A., 1974a. On concepts and techniques applied in the Zurich-Montpellier method of vegetation survey. Bothalia 11: 309-323.
- WERGER, M.J.A., 1974b. The place of the Zurich-Montpellier method in vegetation science. Folia Geobot. & Phytotax. Bohemoslov. 9: 99-109.
- WERGER, M.J.A., KRUGER, F.J. & TAYLOR, H.C., 1972a. Pflanzensoziologische studie der Fynbosvegetation am Kap der Guten Hoffnung. Vegetatio 24: 71-89.
- WERGER, M.J.A., KRUGER, F.J. & TAYLOR, H.C., 1972b. A phytosociological study of the Cape fynbos and other vegetation at Jonkershoek, Stellenbosch. Bothalia 10: 599-614.
- WERGER, M.J.A. & LEISTNER, O.A., 1975. Vegetationsdynamik in der sudlichen kalahari. In Schmidt, W. (ed.), Sukzessionsforschung. Berichte der International en Symposien der International Vereinigung fur Vegetationskunde, pp. 135-158. Vaduz: Cramer.

- WERTHER, E., 1935. De kalahari. Wiss. Veroff. Mus. Landerk. Lpz. 3: 36-94.
- WEST, G.S., 1912. Freshwater algae of the Percy Sladen Memorial Expedition in South West Africa, 1908-1911. Ann. S. Afr. Mus. 9: 61-90.
- WEST, O., 1937. An investigation of the methods of botanical analysis of pasture. S. Afr. J. Sci. 33: 501-559.
- WEST, O., 1938a. Preliminary report of an investigation of the possibilities of commercial exotic clovers and grasses on the Pasture Research Stations and on the sources of seed supply. Past. Res. S. Afr. No. 1, pp. 87-88.
- WEST, O., 1938b. The significance of percentage area determinations yielded by the percentage area or density list method of pasture analysis. J. Ecol. 26: 210-217.
- WEST, O., 1938c. A statistical investigation of the accuracy of the method of clipped quadrat productivity sampling in use at the Rietondale Pasture Research Station, Pretoria. Past. Res. S. Afr. No. 1, pp. 88-96.
- WEST, O., 1943. The vegetation of Weenen County - an ecological account of the vegetation of the Estcourt and Weenen districts. D.Sc. thesis, University of the Witwatersrand.
- WEST, O., 1945. Distribution of mangroves in the eastern Cape Province. S. Afr. J. Sci. 41: 238-242.
- WEST, O., 1947. Thorn bush encroachment in relation to the management of veld grazing. Rhodesia agric. J. 44: 488-497.
- WEST, O., 1947. Umkouzane (*Dichapetalum cymosum*). Rhodesia agric. J. 44: 6.
- WEST, O., 1950. Indigenous tree crops for Southern Rhodesia. Rhodesia agric. J. 47: 204-217.
- WEST, O., 1951. The vegetation of Weenen County, Natal. Mem. bot. Surv. S. Afr. No. 23, pp. 158.
- WEST, O., 1952. Plant succession and veld burning considered particularly in relation to the management of Bushveld grazing. In Veld gold: a South African book of grassland farming, pp. 65-80. Johannesburg: National Veld Trust.
- WEST, O., 1953a. A new approach to the grass legume pastures in summer rainfall Africa. S. Afr. J. Sci. 50: 122.
- WEST, O., 1953b. Improvements in the technique and design of veld management experiments. S. Afr. J. Sci. 50: 222-226.
- WEST, O., 1955. Veld management in the dry summer-rainfall bushveld. In Meredith, D.(ed.), Grasses and pastures of South Africa, pp. 624-636. Johannesburg: Central News Agency.
- WEST, O., 1956. Pasture improvement in the higher rainfall regions of Southern Rhodesia. Rhodesia agric. J. 53: 439-451.
- WEST, O., 1958. Bush encroachment, veld burning and grazing management. Rhodesia agric. J. 55: 407-425.
- WEST, O., 1962a. Factors affecting the carrying capacity of veld grazing. Proceedings of the 1st inter-departmental conference of pasture workers, 1962, Bulawayo, pp. 6-22.
- WEST, O., 1962b. Report of the sub-committee on bush and bush encroachment. Sols afr. 7: 301-312.
- WEST, O., 1965. Fire in vegetation and its use in pasture management with special reference to tropical and subtropical Africa. Hurley, Berkshire: Commonwealth Bureau of Pastures and Field Crops. pp. 53.
- WEST, O., 1967. The vegetation of Southern Matabeleland. A study of the reasons for its present degradation and possible means of rehabilitation. In Proceedings of the 1st Rhodesian science congress, Bulawayo.
- WEST, O., 1968. The possibility of using irrigated pastures for rehabilitation of denuded grazing areas in the Rhodesian Lowveld. Proc. Grassld Soc. sth. Afr. 3: 95-99.
- WEST, O., 1969a. Reversing the decline in productivity of veld grazing in the southern Lowveld. Rhodesia agric. J. 66: 35-42.
- WEST, O., 1969b. Fire, its effect on the ecology of vegetation in Rhodesia and its application in grazing management. Rhod. Sci. News. 3,11: 321-326.
- WEST, O., 1972. Fire, man and wildlife as interacting factors limiting the development of climax vegetation in Rhodesia. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 121-145.
- WEST, O., 1974. A field guide to the aloes of Rhodesia. Salisbury: Longmans Rhodesia.
- WEST, O. & RATTRAY, J.M., 1947 Research programme on veld and pasture management in Southern Rhodesia. Advances in grassland husbandry and fodder production. Bull. Commonw. Bur. Past. Fld Crops. 38: 1-10.
- WESTVELD, R.H. & PECU, R.H., 1952. Forestry in farm management. S. Afr. J. Sci. 48: 411.
- WHERRY, E.T., 1944. A classification of endemic plants. Ecology 25: 247-248.
- WHETSTONE, G.A., 1972. Adaptation to aridity: water development in South Africa. Wat. Resour. Bull. 8: 600-607.
- WHITE, A., DYER, R.A. & SLOANE, B.L., 1941. The succulent Euphorbiae (Southern Africa). Pasadena: Abbey Press.
- WHITE, E., 1968. Man-made lakes in tropical Africa and their biological potentialities. Biol. Conserv. 1: 219-224.
- WHITE, F., 1962. Forest flora of Northern Rhodesia. London: Oxford University Press. pp. 455.
- WHITE, F., 1965. The savanna woodlands of the Zambesian and Sudanian Domains. Webbia 19: 651-681.
- WHITE, F., 1968. Zambia. Acta geogr. succ. 54: 208-215.
- WHITE, F., 1971a. The taxonomic and ecological basis of chorology. Mitt. bot. StSamml., Münch. 10: 91-112.
- WHITE, F., 1971b. The new AETFAT/UNESCO vegetation map of South Africa. Mitt. bot. StSamml., Münch. 10: 113-114.
- WHITE, F., 1971c. Third interim report on the atlas of ecologically important plant species in Africa. Mitt. bot. StSamml., Münch. 10: 161.
- WHITE, F., 1973. Vegetation map of Africa. Kirkia 9: 20-21.
- WHITLOCK, L.F., 1950. Future development in the Kalahari. Fmg S. Afr. 25: 82-84.
- WHITMANN, W.C. & SIGGEIRSSON, E.I., 1954. A comparison of line interception and point contact methods in the analysis of mixed grassland vegetation. Ecology 35: 431-436.
- WHITMORE, J.S., 1948. Agro-climatology: the scope of its application to South African agriculture. Fmg S. Afr. 23: 293-302.
- WHITMORE, J.S., 1950a. Marginal areas of the Orange Free State. Part 2. Climate and crop production. Fmg S. Afr. 25: 47-52 & 57.
- WHITMORE, J.S., 1950b. The marginal areas of the Orange Free State. Part 3. Climate and the use of the land. Fmg S. Afr. 25: 85-89.
- WHITMORE, J.S., 1956. Water in its relation to plant growth. Jl S. Afr. For. Ass. No. 27, pp. 36-42.
- WHITMORE, J.S., 1968a. Effects of catchment management on river flow characteristics. S. Afr. J. Sci. 64: 273-279.
- WHITMORE, J.S., 1968b. The relationship between mean annual rainfall and locality and site factors. S. Afr. J. Sci. 64: 423-427.
- WHITMORE, J.S., 1971. South Africa's water budget. S. Afr. J. Sci. 67: 166-176.
- WHITMORE, J.S., MARAIS, J.M. & TURPIN, H.W., 1953. Weeds: major menace to crop production. Fmg S. Afr. 28: 293.
- WHYTE, A., 1894. The plants of Manje, Nyasaland. Trans. Linn. Soc. Lond. (Bot.) 4: 1-67.
- WHYTE, R.O. & SISAM, J.W.B., 1949. The establishment of vegetation on industrial waste lands. Commonw. Agric. Bur. Jl 14: 20-25.
- WICHT, C.L., 1939. Forest influences research technique at Jonkershoek. Jl S. Afr. For. Ass. No. 3, pp. 65-80.
- WICHT, C.L., 1940. Afrikaanse Bosboomname. Jl S. Afr. For. Ass. No. 5, pp. 41-61.
- WICHT, C.L., 1941a. An approach to the study of rainfall interception by forest canopies. Jl S. Afr. For. Ass. No. 6, pp. 54-70.
- WICHT, C.L., 1941b. Diurnal fluctuations in Jonkershoek streams due to evaporation and transpiration. Jl S. Afr. For. Ass. No. 7, pp. 35-49.
- WICHT, C.L., 1942. Depletion of ground-water flow in Jonkershoek streams. Jl S. Afr. For. Ass. No. 8, pp. 50-63.
- WICHT, C.L., 1943. The variability of Jonkershoek streams. Jl S. Afr. For. Ass. No. 10, pp. 13-22.
- WICHT, C.L., 1944. Improvements in the gauging of rainfall. Jl S. Afr. For. Ass. No. 12, pp. 19-28.
- WICHT, C.L., 1945. Preservation of the vegetation of the South Western Cape. Special publication R. Soc. S. Afr. pp. 56.
- WICHT, C.L., 1948a. Hydrological research in South African forestry. Jl S. Afr. For. Ass. No. 16, pp. 4-21.

- WICHT, C.L., 1948b. A statistically designed experiment to test the effects of burning on a sclerophyll scrub community. 1. Preliminary account. Trans. R. Soc. S. Afr. 31: 479-501.
- WICHT, C.L., 1949. Forestry and water supplies in South Africa. Bull. Dep. For. Un. S. Afr. No. 33, pp. 58.
- WICHT, C.L., 1955. Veld fires will soon be here. Farmer's Weekly. Bloemfontein, 13 July, pp. 14-19.
- WICHT, C.L., 1959. The management of water catchments. Sols afr. 4: 20-51.
- WICHT, C.L., 1966. Trends in forest hydrological research. S. Afr. For. J. No. 57, pp. 17-25.
- WICHT, C.L., 1967. The management of mountain catchments by forestry. S. Afr. For. J. No. 77, pp. 6-12.
- WICHT, C.L., 1971a. The influence of vegetation in South African mountain catchments on water supplies. S. Afr. J. Sci. 67: 201-209.
- WICHT, C.L., 1971b. The task of forestry in the mountains of the western and southern Cape Province. Proc. Grassld Soc. sth. Afr. 6: 20-27.
- WICHT, C.L., 1974. Timber and water. S. Afr. For. J. No. 85, pp. 3-11.
- WICHT, C.L. & BANKS, C.H., 1963. Die invloed van beheerde brand en bebossing op die wateropbrengs van bergopvanggebiede in die Winterreestreek. South African Geographer 2: 23-29.
- WICHT, C.L. & KRUGER, F.J., 1973. Die ontwikkeling van bergveldbestuur in Suid-Afrika. S. Afr. For. J. No. 86, pp. 1-17.
- WICHT, C.L., MEYBURGH, J.C. & BOUSTEAD, P.G., 1969. Rainfall at the Jonkershoek Forest Hydrological Research Station. Annale Univ. Stellenbosch serie A 44,1: 4-66.
- WICHT, H., 1962. Palms for gardens in Southern Africa. Cape Town: Howard Timmins.
- WICHT, H., 1967. Our indigenous palms. Afr. wild Life 21: 39-51.
- WICHT, H., 1969. The indigenous palms of Southern Africa. Cape Town: Howard Timmins. pp. 62.
- WICHT, M.L., 1958. Afterglow of mountain fires. Veldtrust 19,5: 6-7 & 16.
- WICHT, M.L., 1960. Brande en byle het Suid-Afrika se fraai boserfenis uitgedun. Veldtrust 21,4: 8-9 & 11.
- WICHT, M.L., 1961. Our coastal forests a picture of beauty. Veldtrust 22,4: 24-25 & 30.
- WICHT, M.L., 1963. Where the Tzitzikama meets the ocean. Veldtrust 24,1: 21, 23 & 27.
- WICHT, M.L., 1968. The Tzitzikama forest. Afr. wild Life 22: 231-239.
- WICHT, M.L., 1969. The reclamation of shifting dunes. Afr. wild Life 23: 229-234.
- WICHT, M.L., 1971. Invasion of the "Green Cancers". Afr. Wild Life 25: 11-14.
- WIGG, L.T., 1949. Vegetation-soil map of Northern Rhodesia. Emp. For. Rev. 28: 43-48.
- WILD, H., 1951a. Evidence for the existence of ecotypes of the Msasa (*Brachystegia spiciformis* Benth.) in Southern Rhodesia. Proc. Trans. Rhod. scient. Ass. 43: 1-7.
- WILD, H., 1951b. Some records of phytogeographical interest from Southern Rhodesia. Proc. Trans. Rhod. scient. Ass. 43: 8-11.
- WILD, H., 1952a. A guide to the flora of Victoria Falls. In Clark, J.D.(ed.), The Victoria Falls. Livingstone: Committee for the Preservation of Natural & Historical Monuments & Relics.
- WILD, H., 1952b. Southern Rhodesian aquatic plants. Rhodesia agric. J. 49: 111-125.
- WILD, H., 1952c. The vegetation of Southern Rhodesia termitaria. Rhodesia agric. J. 49: 280-292.
- WILD, H., 1953. Vegetation survey of the Changara (PEA)-Mkoto Reserve (S. Rhodesia area). Rhodesia agric. J. 50: 407-419.
- WILD, H., 1954. A Southern Rhodesian botanical dictionary of Native and English plant names. Salisbury: Government Printer. pp. 139.
- WILD, H., 1955a. Common Rhodesian weeds. Salisbury: Government Printer. pp. 213.
- WILD, H., 1955b. Observations on the vegetation of the Sabi-Lundi Junction area. Rhodesia agric. J. 52: 533-546.
- WILD, H., 1956. The principal phytogeographic elements of the Southern Rhodesian flora. Proc. Trans. Rhod. Scient. Ass. 44: 2-9.
- WILD, H., 1958. Botanical notes relating to the Van Niekerk Ruins. In Summers, R., Inyanga prehistoric settlements in Southern Rhodesia. Cambridge: Cambridge University Press.
- WILD, H., 1959. New and little known species from the Flora Zambesiaca area. Bolm Soc. broteriana, Ser. 2,33: 69-95.
- WILD, H., 1962. Harmful aquatic plants in Africa and Madagascar. Kirkia 2: 1-66.
- WILD, H., 1964a. A guide to the flora of the Victoria Falls. In Fagan, B.M. (ed.), The Victoria Falls, pp. 141-181. Livingstone Committee for Preservation of Natural & Historical Monuments & Relics.
- WILD, H., 1964b. The endemic species of the Chimanimani Mountains and their significance. Kirkia 4: 125-157.
- WILD, H., 1965a. The vegetation of Rhodesia. In Rhodesia, its natural resources and economic development. Salisbury: Collins.
- WILD, H., 1965b. Additional evidence for the Africa-Madagascar-India-Ceylon Landbridge theory with special reference to the genera *Anisopappus* and *Commiphora*. Webbia 19: 497-505.
- WILD, H., 1965c. The African species of the genus *Melanthera*. Kirkia 5: 1.
- WILD, H., 1965d. The flora of the Great Dyke of Southern Rhodesia with special reference to the serpentine soils. Kirkia 5: 49-86.
- WILD, H., 1968a. Bechuanaland protectorate. Acta. phytogeogr. succ. 54: 198-202.
- WILD, H., 1968b. Geobotanical anomalies in Rhodesia. 2. Geobotanical anomalies occurring in graphitic soils. Port. Acta biol. Ser B 9: 291-299.
- WILD, H., 1968c. Phytogeography in South Central Africa. Kirkia 66: 197-222.
- WILD, H., 1968d. Rhodesia. Acta phytogeogr. succ. 54: 202-207.
- WILD, H., 1968e. Regional synthesis of south tropical Africa. Acta phytogeogr. succ. 54: 232-233.
- WILD, H., 1969. Geobotanical anomalies in Rhodesia. 1. The vegetation of copper-bearing soils. Kirkia 7: 1-71.
- WILD, H., 1970. Geobotanical anomalies in Rhodesia. 3. The vegetation of nickel-bearing soils. Kirkia suppl. 7.
- WILD, H., 1974a. Variations in the serpentine floras of Rhodesia. Kirkia 9: 209-232.
- WILD, H., 1974b. Indigenous plants and chromium in Rhodesia. Kirkia 9: 233-241.
- WILD, H., 1974c. Geobotanical anomalies in Rhodesia. 4. The vegetation of arsenical soils. Kirkia 9: 243-264.
- WILD, H., 1974d. Arsenic tolerant species established on arsenical mine dumps in Rhodesia. Kirkia 9: 265-278.
- WILD, H., 1974e. The natural vegetation of gypsum-bearing soils in south central Africa. Kirkia 9: 279-292.
- WILD, H., 1975. The uptake of heavy metals by some succulent species of Rhodesian serpentes. Excelsa 5: 17-22.
- WILD, H., BIEGEL, H.M. & MAVIS, A., 1972. A Rhodesian botanical dictionary of African and English plant names. Salisbury: Government Printer. pp. 281.
- WILD, H. & MITCHELL, D.S., 1970. Der einfluss von Bayluscid auf den wasserfarn *Salvinia auriculata* und andere wasserpflanzen. Hofchenbr. Bayer Pflschutz-Nachr. 23: 112-117.
- WILD, H. & WILTSHIRE, G.H., 1971. The problem of vegetating Rhodesian mine dumps examined. Rhodesian Chamber of Mines Journal 12: 11, 13 & 26-30.
- WILLAN, R. G. M., 1940. Notes on the vegetation of northern Nyasaland. Emp. For. J. 19: 48-61.
- WILLAN, R. G. M., 1957. Some notes on the cold spell in Nyasaland in August, 1953. Nyasald J. 10: 7-10.
- WILLAN, R. G. M., 1961a. Two new records of flowering trees (*Bolusanthus speciosus* and *Calodendrum capense*) in Nyasaland. Nyasald J. 14: 43-47.
- WILLAN, R.G.M., 1961b. Two unusual indigenous trees, *Fernandoa magnifica* and *Burttidavia nyasica*. Nyasald J. 14: 47-53.
- WILLAT, S.T., 1967a. Moisture status in Rhodesian soils prior to the rains. Rhodesia agric. J. 64: 4-6.
- WILLAT, S.T., 1967b. The fertility of sandveld soils under continuous cultivation. 3. Changes in physical properties. Rhod. Zambia & Malawi J. Agric. Res. 5: 129-131.
- WILLIAMS, R.K., 1970. Water pollution: causes and effects Rhod. Sci. News 4: 285-287.

- WILLIAMSON, D.T., 1973. Vegetation mapping from ERTS imagery of the Okavango delta. Third earth resources technology satellite-I symposium technical presentations 1B, pp. 301-308.
- WILLIAMSON, D.T. & GILBERTSON, B., 1973a. Applications of ERTS imagery in estimating the environmental impact of a freeway through the Knysna area of South Africa. Third earth resources technology satellite-I symposium technical presentations 1B, pp. 1559-1568.
- WILLIAMSON, D.T. & GILBERTSON, B., 1973b. ERTS imagery as a source of environmental information for southern Africa. Third earth resources technology satellite-I symposium technical presentations 1B: 1569-1574.
- WILLIAMSON, J., 1956. Useful plants of Malawi. 2nd edn Zomba: Government Press.
- WILMAN, M., 1946. Preliminary check-list of the flowering plants and ferns of Griqualand West. Cambridge: Deighton Bell, pp. 381.
- WILMANN, O., 1975. Pflanzensoziologische Eindrücke aus der Capensis. In Dierschke, H. (ed.), Vegetation und Substrat. Berichte der Internationalen Symposien der Internationalen Vereinigung für Vegetationskunde, pp. 529-548. Vaduz: Cramer.
- WILSON, B.H., 1974. Some natural and manmade changes in the channels of the Okavango Delta. Botswana Notes and Records 5: 132-153.
- WILSON, J.H., 1968. Bush control using Tordon 22k. Rhodesia agric. J. 65: 77-78.
- WILSON, J.H., 1969. Bush control by basal injection of Tordon 22k. Rhod. Zambia Malawi J. agric. Res. 5: 93-94.
- WILSON, K., 1970. Pollution of the environment by organochlorine pesticides. Rhod. Sci. News 4: 281-284.
- WILTSHIRE, G.H., 1972a. Effect of nitrogen source on translocation of nickel in some crop plants and weeds. Kirkia 8: 103-123.
- WILTSHIRE, G.H., 1972b. Response of highveld grass species to ammonium and nitrate nitrogen. Proc. Grassld Soc. sth. Afr. 7: 67-75.
- WILTSHIRE, G.H., 1973. Response of grasses to nitrogen source. J. appl. Ecol. 10: 429-435.
- WILTSHIRE, G.H., 1974. Growth of plants on soils from two metalliferous sites in Rhodesia. J. Ecol. 62: 501-525.
- WISS, H.J., 1957. Brandberg Expedition 1955. Ein Bericht über die gesammelten und beobachteten pflanzen. JI S.W. Africa scient. Soc. 12: 45-68.
- WITTMANN, G.T.W. & FORSTNER, U., 1975. Metal environment of sediments in inland waters the Hartbeespoort Dam. Water S.A. 1,2: 76-82.
- WOOD, J.M., 1877. A popular description of the Natal ferns. Durban: T.L. Cullingworth, pp. 40.
- WOOD, J.M., 1888. An analytical key to the natural orders and genera of Natal indigenous plants. Durban: Robinson, Vause and Co. pp. 49.
- WOOD, J.M., 1889. Flora of Durban and vicinity. Rep. Natal Bot. Gdn Colon. Herb., pp. 19-20.
- WOOD, J.M., 1894. Preliminary catalogue of indigenous Natal plants. Durban. pp. 47.
- WOOD, J.M., 1902. Natal plants. Vol. 2. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1904. Natal plants. Vol. 3. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1905. Some indigenous plants of Natal. Rep. S. Afr. Ass. Advmt Sci. 3: 542.
- WOOD, J.M., 1906. Natal Plants. Vol 4. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1907. Handbook to the flora of Natal. Durban: Bennett, pp. 202.
- WOOD, J.M., 1908a. Natal plants. Vol. 5. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1908b. Revised list of the flora of Natal. Trans. S. Afr. phil. Soc. 18: 121-280.
- WOOD, J.M., 1910. Revised list of the flora of Natal. Trans. R. Soc. S. Afr. 1: 453-472.
- WOOD, J.M., 1912. Natal plants. Vol. 6. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1913. Addendum to revised list of the flora of Natal. Trans. R. Soc. S. Afr. 3: 47-60.
- WOOD, J.M., 1915. List of trees, shrubs and a selection of herbaceous plants, growing in Durban Municipal Botanic Gardens. Durban: Bennett & Davis. pp. 111.
- WOOD, J.M. & EVANS, M.S., 1899. Natal plants. Vol. 1. Durban: Government and Durban Botanic Society.
- WOOD, J.M. & EVANS, M.S., 1911. Natal Plants. Durban: Bennett.
- WOOD, R.A., 1965. Mineralisation studies on virgin and cultivated sugar belt soils. Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass., pp. 195-202.
- WOOD, R.A., 1972. Factors affecting nitrogen utilization by sugarcane in South Africa. Ph.D. thesis, University of Natal.
- WOODS, A.A.G., 1963. Operation wildflower. S. Afr. J. Sci. 59: 502.
- WOODS, D.B. & MOLL, E.J., 1967. Multivariate analysis of grassland in the Three Rivers area, Natal. Proc. Grassld Soc. sth. Afr. 2: 103-111.
- WORDSWORTH, R., HUTCHINSON, J., BOWES, F. & BOLUS, L., 1923. Flowering plants collected in South West Africa by the Percy Sladen Memorial Expedition 1915-1916. Ann. Bolus Herb. 3: 33-34.
- WRIGHT, W.G., 1963. The wild flowers of Southern Africa. Natal. Johannesburg: Nelson, pp. 168.
- WROUGHTON, F.H., 1948. To burn or not to burn. JI S. Afr. For. Ass. No. 16, pp. 76-78.
- WYNDHAM, C.H., 1972. Environmental problems of man in South Africa. In Biological research and problems of the environment symposium, 2-10 July 1972, Johannesburg.
- YOUNG, A., 1970. Concepts of equilibrium, grade and uniformity as applied to slopes. Geogr. J. 136: 585-592.
- YOUNG, A. & BROWN, P., 1962. The physical environment of northern Nyasaland. Zomba: Government Printer, pp. 107.
- YOUNG, A. & BROWN, P., 1965. The physical environment of central Malawi with special reference to soils and agriculture. Zomba: Government Printer.
- YOUNG, A. & STEPHEN, I., 1965. Rock weathering and soil formation of high-altitude plateaux of Malawi. J. Soil Sci. 16,2: 322-333.
- YOUNG, E., 1970. Water as 'n faktor in die ekologie van wild in die Nasionale Krugerwildtuin. D.Sc. thesis, University of Pretoria.
- YOUNG, R.G.N., 1933. An account of a botanical excursion through northern Angola. Pamph. S. Afr. biol. Soc. No. 6, pp. 25-32.
- YOUNG, R.G.N., 1943. Introduction to the bush flora of the central Transvaal (based on the vegetation characters). Agricultural Research Institute Series No. 3, University of Pretoria, pp. 20.
- YOUNG, W.P., 1953. Memories of the Nyika Plateau. Nyasaland J. 6: 45-52.
- ZAHN, G.A. & NEETHLING, E.J., 1929a. The cluster pine (*Pinus pinaster*) at the Cape. S. Afr. J. Sci. 26: 195-210.
- ZAHN, G.A. & NEETHLING, E.J., 1929b. Notes on the exotic trees in the Cape Peninsula. S. Afr. J. Sci. 26: 211-234.
- ZIMBABWE, MALAWI, VEGETATION, 1960. Vegetation map of the Federation of Rhodesia and Nyasaland. 1:250 000. Rattray, J.M. & Wild, H. Salisbury: Director of Federal Surveys, Rhodesia and Nyasaland.
- ZIMBABWE, VEGETATION, 1930. Provisional Map of Vegetation Types in Southern Rhodesia. Henkel, J.S. Salisbury: Surveyor General's Office.
- ZIMMERMAN, O., 1907. Grass fires. Rhodesia agric. J. 5: 233-236.
- ZUK, S., 1971. Freshwater fauna and flora in Africa south of the Sahara, 1960-1962: a bibliography. Johannesburg: University of the Witwatersrand Department of Bibliography, Librarianship & Typography, pp. 25.
- ZUR STRASSEN, H., 1973. Namib - portrait of a desert. Cape Town: Purnell.



# SUBJECT INDEX

## APPLIED ECOLOGY

- ACKERMAN, D.P., 1972. The proclamation of wilderness areas by the Department of Forestry. S. Afr. For. J. No. 82, pp. 19-21.
- ACOCKS, J.P.H., 1955. Agriculture in relation to a changing vegetation. S. Afr. J. Sci. 52: 101-108.
- ACOCKS, J.P.H., 1966. Non-selective grazing as a means of veld reclamation. Proc. Grassld Soc. sth. Afr. 1: 33-39.
- ADAMSON, R.S., 1927. Alien trees at Kirstenbosch. J. bot. Soc. S. Afr. 13: 17-20.
- ADAMSON, R.S., 1941. Weeds: the "new" Cape flora. J. bot. Soc. S. Afr. 27: 7-8.
- ADAMSON, R.S., 1953. Can we preserve the Cape flora? J. bot. Soc. S. Afr. 39: 11 & 12.
- ADLAM, R.W., 1899. Forestry in the Transvaal. Gdnrs' Chron. 3, 26: 223-224.
- ADLER, E.D., 1971. Interterritorial technical co-operation in southern Africa with special reference to SARCCUS. S. Afr. J. Sci. 67: 140-144.
- AFRICA, VEGETATION, 1958. Vegetation map of Africa south of the Tropic of Cancer. Prepared by Aubreville, A., Duvigneaud, P., Hoyle, A.C., Keay, R.W.J., Mendonca, F.A., & Pichi-Sermolli, R.E.G. 1:10 000 000. London: Oxford University Press.
- AFRICA, VEGETATION, 1963. Vegetations karte von Africa. 1:15 000 000. Mildbraed, J., Schulze-Menz, G.K., & Diels, L. Berlin: Walter de Gruyter & Co.
- AGRICOLA (VENTER, P.J.), 1949. Die geskiedenis oor die agteruitgang van ons veld. Landbouweekblad, Cape Town, 24 Aug., pp. 31-33.
- ALTONA, R.E., 1940. Weed control in turf using selective weed killers. Parks 15: 2.
- ALTONA, R.E., 1950. A preliminary report on the control of weeds in maize with Methoxone 2,4-D. S. Afr. J. Sci. 46: 295-296.
- ALTONA, R.E., 1951a. The control of weed in maize with selective plant growth regulation. Second report. Emp. J. exp. Agric. 19: 26-32.
- ALTONA, R.E., 1951b. The use of plant regulators in weed control with special reference to weed control in maize lands. Ph.D. thesis, University of the Witwatersrand.
- ALTONA, R.E., 1951c. The use of hormone weedkillers in Africa south of the Sahara. Rhodesia agric. J. 48: 560-562.
- ANDERSON, G.D., 1973. Vegetation composition and elephant damage in the major habitat types of Sengwa Wildlife Research Area of Rhodesia. M.Sc. thesis, University of Rhodesia.
- ANDERSON, G.D. & WALKER, B.H., 1974. Vegetation composition and elephant damage in the Sengwa Wildlife Research Area, Rhodesia. J. sth. Afr. Wildl. Mgmt Ass. 4: 1-14.
- ANDREAE, B., 1966a. Weidewirtschaft im sudlichen Afrika. Standorts - und evolution theoretische studien zur Agrargeographie und Agrarökonomie der Trope und Subtropen. Erdk. Wissen 15. pp. 495.
- ANDREAE, B., 1966b. Pasture husbandry in Southern Africa. Wiebaden: Franz Steiner. pp. 63.
- ANDRES, L.A. & ANGOLET, W.G., 1963. Notes on the ecology and host specificity of *Microlarinus laevelyi* (Jacquelin du Voil) and *M. lypriformis* (Wollaston) (Coleoptera: Curculionidae). J. econ. Ent. 56: 333-340.
- ANGOLA, VEGETATION, 1939. Carta Fitogeografica de Angola. Gossweiler, J., 1:2 000 000. Ministerio das Colonias.
- ANNECKE, D.P., 1969. Recent developments in biological and integrated control of citrus pests in South Africa. In Proceedings of the 1st international citrus symposium 2: 849-854.
- ANNECKE, D.P., 1972. Progress towards an ecological approach to pest control. In Biological research and problems of the environment symposium, 2-10 July 1972, Johannesburg. pp. 55-62.
- ANON., 1887. Caffrarian marblecork; ou, bois liege marbre de la Caffrie. Revue Eaux Forets 26: 137.
- ANON., 1928a. Statement relating to the Union of South Africa. British Empire Forestry Conference 1928: 3-28.
- ANON., 1928b. Forstliches aus Sudwesafrika. Z. Forst- u. Jagdw. 60: 634-637.
- ANON., 1940a. Veld and permanent pasture in the Pretoria district. Herb. Rev. 8: 82-83.
- ANON., 1940b. Nutritive value of South African pastures. Herb. Rev. 8: 189-194.
- ANON., 1949. An important fodder tree. Fruit Crop as succulent winterfeed. Fmg S. Afr. 24: 4, 14, & 19.
- ANON., 1951. Management and conservation of vegetation in Africa. Commonw. Agric. Bur. Bull. No. 41: 1-97.
- ANON., 1955a. Ons verlate weiveld word herstel. Veldtrust 16,4: 18-19, 24.
- ANON., 1955b. Uitklophou vir erosie beplan. Veldtrust 16,12: 8-9.
- ANON., 1958. Hoe bewaring vorder. Veldtrust Jun. 19,6: 19-20.
- ANON., 1960. Bold new three-dimensional forestry experiments. Veldtrust 21,5: 29-30.
- ANON., 1963. Nature reserves on farms. Veldtrust 24,1: 9.
- ANON., 1966a. The Blouberg is lost. Veldtrust 27,1: 15 & 29.
- ANON., 1966b. Natal forests 1876-1966 - What has been achieved? Natal Wildlife 7: 6-9.
- ANON., 1970. Conservation, Rhodesia and SARCCUS. Rhod. Sci. News 4,5: 169.
- ANON., 1972a. Practical veld management: Sourveld. Golden Fleece Nov. 1972: 1-4.
- ANON., 1972b. Pollution and its control. Pretoria: Suid-Afrikaanse Akademie vir Wetenskap en Kuns.
- ANON., 1973. Ontwikkelingsprogram vir die Hoefeldstreek. Revised and abridged edition. Potchefstroom: Highveld Region.
- ARMITAGE, F.B., 1963. Afforestation and the Eastern Districts. Rhodesia agric. J. 60: 125-127.
- ARNOLD, H.C., 1919. The management and utilization of natural pastures. Rhodesia agric. J. 36: 376-391.
- ASTLE, W.L., 1971. Management in the Luangwa Valley. Oryx 11,2/3: 135-139.
- AUCAMP, A.J., 1972. Die voedingswaarde en benutting van 'n aantal struiksoorte in die Valleibosveld van die Oos-Kaap. M.Sc. (Agric.) thesis, University of Orange Free State.
- AUCAMP, A.J., SMITH, D.W.W.Q., HOWE, L.G. & VILJOEN, B.D., 1973. 'n Belowende tegniek vir die bepaling van struikbenutting. Proc. Grassld Soc. sth. Afr. 8: 129-132.
- AUSTEN, B., 1971. The history of veld burning in the Wankie National Park, Rhodesia. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 277-296.

- AZANCOT DE MENEZES, O.J., 1965. Estudo fitosociologico e caracteristicas dos pastagens daregiaio do Chitado. Bol. Inst. Invest. Cient. Angola 2.2: 137-181.
- BAIER, W.B., 1963. Studies on macroclimate and microclimate and their influence on crops (with special reference to Potchefstroom and the Highveld Region). M.Sc.(Agric.) thesis, University of Pretoria.
- BALSINHAS, A., 1971. Observacao sumaria dos pastos e pastagens do concelho de Quelimaine. Instituto de Investigacao Agronomica de Mocambique, Lourenco Marques. Informacao tecnica 35.
- BALSINHAS, A., 1972. Observacao sumaria des pastos e pastagens de Murroa (Bajone distrito da Zambazia). Instituto de Investigacao Agronomica de Mocambique, Lourenco Marques. Informacao tecnica 49.
- BARENBURG, T.H., 1935. Veld improvement. Seed production. Seed testing. S. Afr. J. Sci. 32: 257-267.
- BARNARD, C., 1970. St Lucia - 'n verlore paradys. Huisgenoot 42, 2533: 48-52.
- BARNES, D.L., 1956. Veld management studies at the Gwebi College of Agriculture, Southern Rhodesia. M.Sc. thesis, University of the Witwatersrand.
- BARNES, D.L., 1968. Dryland pastures. Rhodesia agric. J. 65: 6-13.
- BARNES, D.L., 1969. Some thoughts on the needs and possibilities in veld research in Rhodesia. Proceedings of the veld management conference, Bulawayo.
- BAYER, A.W., 1965. St Lucia Lake Commission, Proposed draft. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1970. Plant ecology in the service of man in southern Africa. S. Afr. J. Sci. 66: 71-77.
- BAYER, A.W., 1971. Aspects of Natal's botanical history. S. Afr. J. Sci. 67: 401-411.
- BAYER, A.W., 1972. Recommendations of plants suitable for re-vegetation of soil dumps at St Lucia. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1973. Objectives to be achieved for maintenance of the biotic potential of St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1974. Aerial survey - St Lucia vegetation. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., BIGALKE, R.C. & CRASS, R.S., 1968a. Natal. In Hedberg, I. & O. (eds), Conservation of vegetation in Africa south of the Sahara, pp. 243-247. Uppsala: Almqvist & Wiksells.
- BAYER, A.W., BIGALKE, R.C. & CRASS, R.S., 1968b. Natal. Acta phytogeogr. succ. 54: 243-247.
- BECKLEY, V.R.S. & STIVEN, G., 1949. An investigation into the effect of some agricultural practices on some physical properties of the soil at Frankenwald. B.Sc. (Soil Conservation) joint report, University of the Witwatersrand.
- BENSON, L., 1970. The status of *Welwitschia mirabilis*. Cactus Succ. J. Am. 40: 200.
- BIGALKE, R., 1947. The adulteration of the fauna and flora of our National Parks. S. Afr. J. Sci. 43: 221-225.
- BIGALKE, R., 1950. Wildbewing in die Unie van Suid-Afrika. Fauna Flora, Pretoria 1: 5-9.
- BIGALKE, R.C., 1961. Some observations on the ecology of the Etosha Game Park, South West Africa. Ann. Cape Prov. Mus. 1: 49-67.
- BIGALKE, R.C., 1968. Nature conservation in the Transvaal. Nature Conservation Branch Transvaal Bull. 2, pp. 39.
- BINNS, B., 1968. Crop plants of Malawi. Limbe: Soche Hill College (cyclostyled).
- BINNS, B., 1969. Weed plants of Malawi. Limbe: Soche Hill College (cyclostyled).
- BIOLOGIST KRUGER NATIONAL PARK, 1960. Flora: A. General. B. The herbarium and botanical surveys. C. Exotic plants and experiments on eradication. Koedoe 3: 102-113.
- BOLITHO, V., 1972. The framework of water and solid wastes pollution control. South African Chemical and Engineering Age 9, Aug. pp. 3-4.
- BOLUS, H. & WOLLEY-DOD, A.H., 1903. A list of the flowering plants and ferns of the Cape Peninsula, with notes on some of the critical species. Trans. S. Afr. phil. Soc. 14: 207-373.
- BONSMA, J.C., 1942. Useful bushveld trees and shrubs. Fmg S. Afr. 17: 226-239.
- BONSMA, J.C., 1949. Ecological animal husbandry research and its application in maintaining a permanent pastoral industry. Sci. Bull. Dep. Agric. Un. S. Afr. No. 307, pp. 24.
- BONSMA, J.C. & GALPIN, E.A., 1952a. Know your farm by its trees. Farmer's Weekly, Bloemfontein, 13 Feb., pp. 14-17.
- BONSMA, J.C. & GALPIN, E.A., 1952b. King of South African trees. Farmer's Weekly, Bloemfontein, 12 Mar., pp. 14-17.
- BOOYSEN, P. DE V., 1955. An investigation into the effects of certain fertilizers on the yield and protein content of hay and the botanical composition of the veld. M.Sc. thesis, University of Natal.
- BOOYSEN, P. DE V., 1956. In grassveld management it is principles that count and not systems. Fmg S. Afr. 32.7: 34-40.
- BOOYSEN, P. DE V., 1967. Grazing and grazing management terminology in southern Africa. Proc. Grassl Soc. sth. Afr. 2: 45-57.
- BOOYSEN, P. DE V., 1969. An analysis of the fundamentals of grazing management systems. Proc. Grassl Soc. sth. Afr. 4: 84-91.
- BOOYSEN, P. DE V., 1971. Produktiwiteit en intensifisering van weiding. Proc. Grassl Soc. sth. Afr. 6: 51-56.
- BOOYSEN, P. DE V., 1972. Pastoral productivity and intensification. Proc. Grassl Soc. sth. Afr. 7: 51-55.
- BOOYSEN, P. DE V., TANTON, N.M. & FORAN, B.D., 1975. An economic solution to the grazing management dilemma. Proc. Grassl Soc. sth. Afr. 10: 77-83.
- BOOYSEN, P. DE V., TANTON, N.M. & SCOTT, J.D., 1963. Shoot-apex development in grasses and its importance in grassland management. Herb. Abstr. 33: 209-213.
- BOTHA, J.P., 1936. Pasture studies in the Fauresmith and adjoining districts of the O.F.S. with special reference to the composition and nutritive value of some typical pasture plants of these areas. M.Sc. thesis, University of Pretoria.
- BOTHA, J.P., 1938. The digestibility and nutritive value of Karoo pasture plants. Fmg S. Afr. 13: 63-65, 101-102, 141, 163, 198-199, 235-237.
- BOTHA, J.P., 1953. Veldbeheerstudies op die Suurveld van Oos-Transvaal. D.Sc. (Agric.) thesis, University of Pretoria. pp. 375.
- BOTHA, J.P., 1957a. Grasveldtipes en weiveldbenutting. In Hulpboek vir boere in Suid-Afrika 3: 625-632. Pretoria: Department of Agriculture.
- BOTHA, J.P., 1957b. Veld management, pastures and feeds, types of grassveld and the utilization of pasture. In Handbook for farmers in South Africa. Vol. 3. Pretoria: Department of Agriculture.
- BOTHMA, J. DU P. & DE GRAAFF, G., 1973. A habitat map of the Kalahari Gemsbok National Park. Koedoe 16: 181-188.
- BOTSWANA, VEGETATION, 1970. Provisional vegetation types. 1:3 000 000. Gaborone: Government Printer.
- BOURQUIN, O., 1973. Utilization and aspects of management of the Willem Pretorius Game Reserve. J. sth. Afr. Wildl. Mgmt Ass. 3: 65-74.
- BOWKER, A.I., 1933. Deterioration in South African vegetation and soil. B.Sc. report, University of the Witwatersrand.
- BRADLOW, F.R., 1965. Baron von Ludwig and the Ludwig's-burg Garden. A chronicle of the Cape from 1806-1848 with an appendix showing some of the horticultural introductions of Baron von Ludwig. Cape Town: Balkema. pp. 124.
- BRAND, P.A.J., KEMP, P.H., OLIFF, W.D. & PRETORIUS, S.J., 1967. Water quality and abatement of pollution in Natal rivers. Part 3. The Tugela River and its tributaries. Natal Town & Regional Planning Commission Report 13.1, Pietermaritzburg.
- BRAND, P.A.J., KEMP, P.H., PRETORIUS, S.J. & SCHOONBEE, H.J., 1967a. Water quality and abatement of pollution in Natal rivers. Part 1. Objectives of river surveys, description of methods used and discussion of water quality criteria. Natal Town & Regional Planning Commission Report 13.1, Pietermaritzburg.
- BRAND, P.A.J., KEMP, P.H., PRETORIUS, S.J. & SCHOONBEE, H.J., 1967b. Water quality and abatement of pollution in Natal rivers. Part 2. Survey of the Three

- Rivers region. Natal Town & Regional Planning Commission Report 13.1, Pietermaritzburg.
- BRANDMULLER, E., 1926. Prickly comfrey (*Symphytum aspernum* Donn.) as a fodder crop. Fmg S. Afr. 1: 275-276.
- BRENCHLEY, G.H., 1970. Some uses of aerial photography in agriculture. Agric. Prog. 45: 43-47.
- BRIDGENS, A.B., 1948. A study of various methods of creating an indigenous grass sward under Highveld conditions. B.Sc. (Soil Conservation) report, University of the Witwatersrand.
- BRITTON, P., 1972. A report on the proposed nature reserve at Swartklip. B.Sc. project, University of Stellenbosch.
- BROMWICH, M., 1972. The effect of introducing permanent water into a seasonal pan on game and vegetation. Certificate in Field Ecology Research Report, University of Rhodesia.
- BROWN, J.C., 1887. Management of Crown Forests at the Cape of Good Hope. Edinburgh: Oliver & Boyd. pp. 352.
- BROWN, L., 1965. Africa. A natural history. New York: Random House. pp. 300.
- BROWN, M.E., 1971. Water abstraction and conservation of aquatic habitats. News Lett. Limnol. Soc. sth. Afr. No. 17, pp. 10-12.
- BROWN, W.R., 1923. The mesquite (*Prosopis juliflora*): a famine fodder for the Karoo. J. Dep. Agric. Un. S. Afr. 6: 62-67.
- BRYANT, E.G., 1924. The growth of fodder bushes. S. Afr. J. nat. Hist. 6: 56-60.
- BRYNARD, A.M., 1958. Verslag insake voorlopige ondersoek rakende toestande in die Nasionale Kalahari-gemsbokpark. Koedoe 1: 162-183.
- BURGER, G., 1972. Rochdale. Trees S. Afr. 24: 58-66.
- BURROWS, R.C., 1974. Aerial survey and South African forestry. S. Afr. for. J. 90: 11-13.
- BURSELL, E., 1970. Pollution. Rhod. Sci. News 4: 9-280.
- BURTON, A.J., 1957. Some apparatus and methods for quantitative ecological work. S. Afr. J. Sci. 53: 206-209.
- BURTT DAVY, J., HOYLE, A.C. (eds) & TOPHAM, P., 1958. Check-list of the forest trees and shrubs of the Nysaland Protectorate. Zomba: Government Printer. pp. 137.
- BUTYNSKI, T.H. & VON RICHTER, W., 1975. Wildlife management in Botswana. Wildl. Soc. Bull. 3.1: 19-24.
- CAIRNS, A.L.P. & CRAVEN, G.H., 1974. Biology and control of Wild Oak in the South-Western Cape. National Programme for Environmental Sciences. Papers presented at 1st National Weeds Conference, 13-14 Aug. 1974, Pretoria.
- CAMPBELL, A. & CHILD, G., 1971. The impact of man on the environment of Botswana. Botswana Notes and Records 3: 91-110.
- CAMPBELL, A.C., 1968a. The Central Kalahari Game Reserve. Part I. Afr. wild Life 22: 191-198.
- CAMPBELL, A.C., 1968b. Central Kalahari Game Reserve: Part 2. Afr. wild Life 22: 321-327.
- CAMPBELL, A.C., 1973. The National Park and Reserve system in Botswana. Biol. Conserv. 5.1: 7-14.
- CAMPBELL, G.K., 1966. Woody plants of the Kenneth Stainbank Nature Reserve, Durban. Lammergeyer 6: 47-62.
- CAPE COLONY, VEGETATION, 1907. The Cape of Good Hope showing extent of forest and shrubs. Sim, T.R. 1:256 000. Aberdeen: Taylor and Henderson.
- CAPE PROVINCE, DRY WESTERN KAROO, VEGETATION, n.d. Droe Westelike Karoogebied. 1:3 030 303. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, HERSCHEL DISTRICT, VEGETATION, n.d. The Natural Resources of the Herschel District. Map 8. 1:100 000. The Department of Bantu Administration and Development.
- CAPE PROVINCE, KNYSNA, VEGETATION, n.d. Map of Knysna. 1:120 000. Surveyor General's Office.
- CAPE PROVINCE, ROOIPOORT FARM, VEGETATION, n.d. Vegetation map of Rooipoort farm. 1:29 815. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, WINTER RAINFALL REGION, VEGETATION, 1957. Winterreenstreek, Ekologiese substreke. 1:1 000 000. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, WINTER RAINFALL REGION, VEGETATION, 1959. Winterreenstreek, Ekologiese substreke. 1:1 000 000. Pretoria, Botanical Research Institute.
- CARLSON, K.A., 1913. Forestry in relation to irrigation in South Africa. Agric. J. Un. S. Afr. 5: 219-234.
- CARLSON, K.A., 1921. Sylvicultural notes on *Cedrela toona* with special reference to natural regeneration in Government plantation, Barberton. Bull. Dep. For. Un. S. Afr. No. 4, pp. 19.
- CAVACO, A., 1949. Contribution a l'Etude des Pastierages du Mosambique. Rev. int. Bot. appl. Agric. trop. 325-326: 576-584.
- CHATER, S.W., 1970. Nuweberge as a floral reserve. J. Bot. Soc. S. Afr. 56: 24-26.
- CHATTAWAY, M.M., 1935. Report on twenty-four timbers received from South Africa. Report in library of Forestry Research Institute, Pretoria (unpublished).
- CHENIK, D.J., 1960. The promotion of vegetation cover on mine slime dams and sand dumps. JI S. Afr. Inst. Min. Metall. 60: 525-555 & 744-751.
- CHENIK, D.J., 1963. Addendum to paper published in 1960. JI S. Afr. Inst. Min. Metall. 63: 212-213.
- CHEVALIER, A., 1951. Le Kudzu (*Pueraria hirsuta*) et quelques autres Legumineuses antierosives a cultiver dans les pays tropicaux. Revue int. Bot. appl. Agric. trop. 31: 159-172.
- CHILD, G., 1970. Wildlife utilization and management in Botswana. Biol. Conserv. 3: 18-22.
- CHILD, G., 1971. Ecological constraints on rural development in Botswana. Botswana Notes and Records, 3: 157-164.
- CLARK, D.H.M., 1957. Studies on the growth and development of certain veld grasses. M.Sc. (Agric.) thesis, University of Natal.
- CLARKE, P.F., 1940. An evaluation of the productive capacity, potentialities and limitations of the South African veld. M.Sc. thesis, University of Pretoria.
- CLEGHORN, W.B., 1951. Pasture problems in native reserves in Mashonaland. S. Afr. J. Sci. 47: 141.
- COATON, W.G.H., 1954. Veld reclamation and Harvester Termite control. Fmg S. Afr. 29: 243-248.
- CODD, L. E. W., 1949. The application of ecology to agricultural problems in South Africa. In Statements and communications of the African regional scientific conference, 17-28 Oct. 1949, Johannesburg. pp. 115-119.
- CODD, L.E., 1968a. Conservation of vegetation in southern Africa: regional synthesis. Acta phytogeogr. suec. 54: 257-260.
- CODD, L.E., 1968b. The conservation status of ecosystems in South Africa. S. Afr. J. Sci. 64: 446-448.
- COETSEE, G., 1967. Rapid and slow rotational grazing with sheep in the broken red ridge veld of Griquatown. Fmg S. Afr. 42.12: 56-57.
- COETSEE, G., 1972. Control of *Pachystigma pygmaeum* with herbicide. Proc. Grassld Soc. sth. Afr. 7: 28-31.
- COETZEE, J.J., 1971. Die landbou potensiaal van die noordwes-Transvaalse soetbosveld. D.Sc. thesis, University of Pretoria.
- COETZEE, P.J.S., 1939. Studies in relation to the transpiration of irrigation requirements of wheat. M.Sc. thesis, University of South Africa.
- COETZEE, P.J.S., 1942. Fire and veld management. Veld burning as an agent in the "Ngongoni" sourveld. Fmg S. Afr. 17: 107-116 & 131.
- COETZEE, P.J.S., 1948. Principles of grassveld utilization. Fmg S. Afr. 23: 486-494.
- COKE, M. & POTT, R., 1970. The Pongola floodplain pans: plan for conservation. Combined Natal Parks Board & Transvaal Fisheries Institute Report, pp. 34.
- COLE, M.M., 1949. Elgin: A land utilization survey. S. Afr. geogr. J. 31: 36-76.
- COLLETT, D.G., 1956. Some botanical features of the Wonderboom Nature Reserve. Fauna Flora, Transv. 7: 67-87.
- COMPTON, R.H., 1924. Kirstenbosch, South African botany and nature reserves. S. Afr. J. Sci. 21: 79-91.
- COMPTON, R.H., 1932. Local nature reserves. J. bot. Soc. S. Afr. 18: 10-16.
- CONNAUGHTON, C.A., 1935. Forest fires and accelerated erosion. Forestry 33: 751-752.
- COOK, B., 1970. Growing vegetation on mine residue dumps. Chamber of Mines Re-vegetation Unit, Johannesburg (unpublished report).

- COOPER, K.H., 1968. Unique mangroves threatened. *Natal Wildlife* 9: 2-4.
- COOPER, K.H., 1970. How St Lucia estuary could be saved (Umfolozo River: freshwater: Mkuze River). *Afr. wild Life* 24: 293-298.
- COUTINHO, L.P., 1963. Valor alimentar para o gado de alguns pastos de mocambique. *Revta agric., Lourenco Marques Jan.* pp. 17-18.
- COUTINHO, L.P., 1967. Composicao quimica e valor alimentar para o gado de alguns pastos de Mocambique. *Revta agric., Lourenco Marques Mar.* pp. 17-21.
- COWGILL, R., 1967. Uvongo Nature Reserve. Project Report, Wildlife Protection and Conservation Society, Durban.
- CRAIB, I.J., 1947. The silviculture of exotic conifers in South Africa. *Jl S. Afr. For. Ass.* 15: 11-45.
- CROSS, G.W. & THERON, E.P., 1970. Effectiveness of Paraquat on the Ngongoni veld of the Natal Mistbelt. *Proc. Grassld Soc. sth. Afr.* 5: 101-105.
- CUBITT, G., 1966. The grassdale system. *Farmer's Weekly, Bloemfontein*, 16 Feb., pp. 26-27.
- CURSON, H.H., 1940. Millet grasses in native areas. *Fmg S. Afr.* 15: 187-188.
- DANIEL, J.B. McL, 1975. Survey of the Cape Midlands and karroo regions; a geographical analysis of farming. Vol. 5. Institute of Social and Economic Research, Rhodes University, pp. 107.
- DAVIDSON, R.L., 1950. Fundamentals of pasture reclamation in Native areas. Ph.D. thesis, University of the Witwatersrand.
- DAVIDSON, R.L., 1952a. Methods and procedures for successful reseeded of rangelands in South Africa. *Proc. 6th Int. Grassld Congr.* 1: 544-546.
- DAVIDSON, R.L., 1952b. Fundamentals of pasture reclamation in nature reserves, with special reference to South Africa. *Race Relations Journal* 19: 50-62.
- DAVIDSON, R.L., 1964. Natural regeneration of grassland on fallows with and without fertilizers in South Africa. *Emp. J. exp. Agric.* 32: 161-165.
- DAVIES, H.J., 1918. Ewanrigg National Park. *Afr. wild Life* 22: 159-163.
- DAVIES, W., 1949. The grassland problems in Southern Rhodesia. *Rhodesia agric. J.* 44,6: 694-708.
- DAVIES, W., 1968. Pasture problems in South Africa. *Proc. Grassld Soc. sth. Afr.* 3: 135-140.
- DAVIS, D.H.S. et al., 1964. Ecological studies in southern Africa. The Hague: Junk. pp. 415.
- DAWSON, J.L. & BUTYNSKI, T.M., 1975. Khutse Garre Reserve Botswana. Preserving the Kalahari ecosystem. *Biol. Conserv.* 7,2: 147-153.
- DAY, J.H., 1965. Programme of ecological research in the St Lucia estuary system. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- DAY, J.H., 1967. The biology of Knysna Estuary South Africa. In Lauff, G. (ed.), *Estuaries*. Washington: Am. Assoc. Adv. Sci.
- DAY, J.H., 1970. Estuarine ecology at the cross-roads or where do we go from here? *News Lett. Limnol. Soc. sth. Afr. No.* 15, pp. 19-29.
- DE BEER, H.P.J. & VAN RENSBURG, P.H.J.J., 1968. Intrusive plants in the Highveld region. *Fmg S. Afr.* 43,10: 31-32.
- DE BRUYN, J.A., 1951. 'n Fisiologiese studie van *Setaria sphacelata* (Schum.) Stapf et Hubbard. M.Sc. thesis, University of South Africa.
- DE BRUYN, J.A. & AALBERS, J., 1966. Effects of molybdenum and different sources of nitrogen on the growth and chemical composition of *Digitaria smutsii*. *Jl S. Afr. Bot.* 32: 183-194.
- DE JAGER, L.A., 1967. 'n Benuttingstudie van natuurlike veld in die Bankenveld met merinohamels. M.Sc. (Agric.) thesis, University of Pretoria.
- DE JAGER, L.A. & JOUBERT, D.M., 1968. Benutting van natuurlike weiding in die Transvaalse Bankenveld deur Merinohamels. *Tydskr. Natuurwet.* 8: 1-26.
- DE KLERK, J.C., 1960. Spineless cactus, a succulent supplementary feed. *Fmg S. Afr.* 36: 7.
- DE KOCK, G.C., 1967. Droogtevoergewasse. *Proc. Grassld Soc. sth. Afr.* 2: 147-156.
- DE LA HUNT, T.E., 1954. The value of browse shrubs and bushes in the Gwanda area, S. Rhodesia. *Rhodesia agric. J.* 51: 251-262.
- DE SOUSA, E., 1963. Notas sobre a destruicao de vegetacao e prevencao da rebentacao de toica pelo emprego de fitocidas. Lourenco Marques : Junta Provincial de Povoamento. pp. 68.
- DE VRIES, D.M., 1937. Methods used in scientific plant sociology and in agricultural botanical grassland research. *Herb. Rev.* 5,4: 187-191.
- DELPIERRE, G.R. & DU PLESSIS, N.M., 1974. The winter-growing gladioli of South Africa. Cape Town: Tafelberg. pp. 71.
- DENNY, R.P. & DANIELS, S.S., 1968. Observations on the effects of arboricides on umbondo (*Combretum apiculatum*). *Rhodesia agric. J.* 65,2: 34-35.
- DEPARTMENT OF AGRICULTURE, 1951. Pasture research in South Africa. *Prog. Rep. Past. Res. S. Afr.*, No. 3, pp. 113.
- DEPARTMENT OF AGRICULTURE & FORESTRY, 1938. Pasture research in South Africa. *Prog. Rep. Past. Res. S. Afr. No. 1*, pp. 1-162.
- DICKE, B.H., 1936. The bush speaks: border life in the old Transvaal. Pietermaritzburg: Shuter & Shooter. pp. 421.
- DINIZ, A.C., 1967. Esquema Geral de aproveitamento do cunene. Os solos e a Sua Capacidade de Utilizacao para O Regadio. Fomento, Lisboa 5,4: 289-307.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1966. Agro-ecological zones of central Angola. *Agronomia angol.* 23: 11-17.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1969. Zonagem Agro-Ecologica do Cuanza - Sul. Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 6.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1972. Os Solos e a vegetacao do Planalto Oeridental da Cela (Estudo Interpretativo). Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 26.
- DONALDSON, C.H., 1964. Bushes endanger cattle farming in the Molopo area of the northern Cape. *Fmg S. Afr.* 40,7: 21-25.
- DONALDSON, C.H., 1966. Control of blackthorn in the Molopo area with special reference to fire. *Proc. Grassld Soc. sth. Afr.* 2: 57-62.
- DONALDSON, C.H., 1967. Further findings on the effects of fire on blackthorn. *Proc. Grassld Soc. sth. Afr.* 2: 59-61.
- DONALDSON, C.H. & KELK, D.M., 1970. An investigation of the veld problems of the Molopo area. 1. Early findings. 2. Some practical implications of the experimental findings. *Proc. Grassld Soc. sth. Afr.* 5: 50-57 & 58-61.
- DONALDSON, C.H. & KELK, D.M., 1973. The development of semi-arid bushveld to its full potential. 3. Molopo. *Proc. Grassld Soc. sth. Afr.* 8: 143-146.
- DONALDSON, C.H., NIEMANN, P.J. & SWART, J.A., 1968. The utilization and feeding value of milled woody plant species. *Proc. Grassld Soc. sth. Afr.* 3: 75-81.
- DOVETON, D.M., 1936. The economic geography of Swaziland. *Geogr J.* 88: 322-331.
- DOWNING, B.H., 1972. Veld grazing studies at the Nortier experiment farm: vegetation map of the farm. *Agric. Res., Pretoria*, pp. 176.
- DOWNING B.H., 1974. Reactions of grass communities to grazing and fire in the sub-humid lowlands of Zululand. *Proc. Grassld Soc. sth. Afr.* 9: 33-37.
- DU PREEZ, C.M., 1968. Bitter bush in the Karoo. *Fmg S. Afr.* 44,5: 27-29.
- DU PREEZ, C.M.R., 1965. Why Karoo bushes are drought resistant. *Fmg S. Afr.* 41: 17-19.
- DU PREEZ, C.M.R., 1970. The relative preference of merino sheep for a number of pelleted Karoo bush species. *Proc. Grassld Soc. sth. Afr.* 5: 126-131.
- DU PREEZ, C.M.R., 1973. The production potential of Karoo veld: growth and yield of Karoo bush and reaction to pruning. *Agric. Res., Pretoria*, pp. 153-154.
- DU TOIT, A.A., 1968. The soils of the sugar-producing areas in the south-eastern Lowveld of Rhodesia. *Rhodesia agric. J.* 65,4: 82-86.
- DU TOIT, A.G.S., 1931. Pasture management in Natal and East Griqualand. *Fmg S. Afr.* 5: 483-484 & 500.
- DU TOIT, A.L., 1938. Geological and soil characteristics in relation to deterioration and conservation of natural resources in the Union. *S. Afr. J. Sci.* 35: 470-476.
- DU TOIT, E., 1940. Kikuyu grass as an aid in donga reclamation. *Fmg S. Afr.* 15: 55-56.

- DU TOIT, P.F., 1968. A preliminary report on the effect of *Acacia karroo* competition on the composition and yield of sweet grassveld. Proc. Grassld Soc. sth. Afr. 3: 147-149.
- DU TOIT, P.F., 1973. Development of semi-arid bushveld to its full potential. 2. Eastern Cape. Proc. Grassld Soc. sth. Afr. 8: 141-142.
- DU TOIT, P.F., 1974. Studies on various grazing systems for the Dohne Sourveld: effects of time and height of winter defoliation as well as moisture in spring on regrowth. Agric. Res., Pretoria, pp. 172-176.
- DU TOIT, P.F. & INGPEN, R.A., 1970. Some effects of winter grazing of Dohne sourveld. Proc. Grassld Soc. sth. Afr. 5: 27-31.
- DU TOIT, P.F., INGPEN, R.A. & NEL, L.O., 1974. Effect of winter defoliation of Dohne sourveld on spring growth. Agroplantae 6: 67-72.
- DU TOIT, P.J., LOUW, F.G. & MALAN, A.I., 1940. A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Onderstepoort J. vet. Sci. Anim. Ind. 14: 123-327.
- DU TOIT, P.J., LOUW, J.G. & NOLAN, A.J., 1940. The nutritive value of the natural pastures of the Union of South Africa. Fmg S. Afr. 15: 229-232.
- DU TOIT, P.J., MALAN, A.I., LOUW, J.G., HOLZAPFEL, C.R. & ROETS, G.C.S., 1932. A study of the mineral content and feeding value of natural pastures in the Union of South Africa (first report). 18th Report Dir. Vet. Serv. Anim. Ind. S. Africa, pp. 525-577.
- DU TOIT, P.F. & NEL, L.O., 1973. Chemical control of *Acacia karroo*. Proc. Grassld Soc. sth. Afr. 8: 29-34.
- DU TOIT, R., 1947. The common reed (*Phragmites communis*) for soil erosion control. Fmg S. Afr. 22: 753-757.
- DYER, R.A., 1930. The control of mimosa trees and scrub bush. Fmg S. Afr. 4: 649-650.
- DYER, R.A., 1931. Eradication of *Acacia* scrub or thorn bush. Fmg S. Afr. 5: 524.
- DYER, R.A., 1932. Control of *Selago corymbosa* L. Fmg S. Afr. 6: 511-512.
- EBERSOHN, J.P., 1951. Veld management and land use studies at Koopmansfontein Agricultural Research Station, north-western Cape Province. Prog. Rep. Past. Res. S. Afr. No. 3.2. pp. 180-195.
- EBERSOHN, J.P., 1956. Veld management studies at Koopmansfontein with special reference to *Geigeria africana* and other undesirable plants. M.Sc. thesis, University of the Witwatersrand.
- ECKBO, N.B., 1937. Forest products investigations. S. Afr. J. Sci. 33: 362-372.
- EDMONSTONE-SAMMONS, C., 1955. The fungal flora associated with black spot of pineapples. Part 2. Some aspects of the microflora of citrus soils. M.Sc. thesis, Rhodes University.
- EDWARDS, D., 1968. Survey of conserved areas in South Africa. Afr. wild Life 22: 294-298.
- EDWARDS, D., 1972. Botanical survey and agriculture. Proc. Grassld Soc. sth. Afr. 7: 15-19.
- EDWARDS, P.J., 1961a. Seeding of *Pennisetum clandestinum* in the Estcourt District of Natal. S. Afr. J. Sci. 57: 135.
- EDWARDS, P.J., 1961b. Studies in veld burning and mowing in the Tall Grass Veld of Natal. M.Sc. (Agric.) thesis, University of Natal. pp. 240.
- EDWARDS, P.J., 1965. Effect of storage in polyethylene bags on the green weight and drymatter content of herbage samples. S. Afr. J. agric. Sci. 8: 337-342.
- EDWARDS, P.J., 1966. Veld replacement by improved grasslands in Natal. Proc. Grassld Soc. sth. Afr. 1: 63-67.
- EDWARDS, P.J., 1968. Veld classification and reclamation. College of Agriculture, Potchefstroom.
- EDWARDS, P.J., 1969. Veld burning in the Giant's Castle Game Reserve. Lammereyger 10: 64-67.
- EDWARDS, P.J., 1971a. Resting of individual tufts of veld grass at various growth stages. Agric. Res., Pretoria, pp. 115.
- EDWARDS, P.J., 1971b. Veld burning with grazing in the tall grassveld. Agric. Res., Pretoria, pp. 114.
- EDWARDS, P.J., 1971c. Radical veld improvement in South Africa with special reference to the Highland Sourveld of Natal. Ph.D. (Agric.) thesis, University of Natal.
- EDWARDS, P.J., 1972. A system of veld classification and management planning. Tech. Commun. Dep. agric. Serv. (S. Afr.) Pretoria No. 102. pp. 12.
- EDWARDS, P.J., 1973. Definitions of some pasture terms. Proc. Grassld Soc. sth. Afr. 8: 133-135.
- EDWARDS, P.J., 1974. Estimates of carrying capacity and production from herbage yields and grazing days. Proc. Grassld Soc. sth. Afr. 9: 139-143.
- EDWARDS, P.J. & BOOYSEN, P. DE V., 1972. The future for radical veld improvement in South Africa. Proc. Grassld Soc. sth. Afr. 7: 61-66.
- EDWARDS, P.J., BOOYSEN, P. DE V. & MAPPLEDORAM, B.D., 1972. Effects of competition on the establishment of overseeded species in the highveld sourveld of Natal. Agroplantae 4.1: 1-8.
- EDWARDS, P.J. & COETSEE, G., 1971. Growth, vigour and carrying capacity of veld and how to determine it. Fmg S. Afr. 47.8: 38-39.
- EDWARDS, P.J. & COETSEE, G., 1972. Apply veld management against "gousiekte" now. Fmg S. Afr. 47: 13, 9-15.
- EDWARDS, P.J. & NEL, S.P., 1973. Short term effects of fertilizer and stocking rates on the Bankenveld. 1. Vegetational change. Proc. Grassld Soc. sth. Afr. 8: 83-88.
- ELIOVSON, S., 1960. South African wild flowers for the garden. Cape Town: Timmins.
- ELLIOT, R.C. & FOLKERSEN, K., 1961. Seasonal changes in composition and yields of veld grass. Rhodesia agric. J. 58: 186-187.
- ENGLISH, E.F., 1929. Experimental studies of pulping South African hard woods. S. Afr. J. Sci. 26: 296-310.
- ESTERHUYSEN, E.E., 1936. Regeneration after clearing at Kirstenbosch. J. S. Afr. Bot. 2: 177-185.
- FAIR, T.J.D., 1952. Agricultural regions and the European rural farm population of Natal. S. Afr. geogr. J. 34: 3-19.
- FAJARDO, A., 1953. Gorongosa National Park. Afr. wild Life 7: 331-333.
- FANSHAW, D.B., 1960a. Mutemwa. For. Newsl. Nth. Rhod. 55: 22-29.
- FANSHAW, D.B., 1960b. Old gardens in Mutemwa. For. Newsl. Nth. Rhod. 60: 17-18.
- FANSHAW, D.B., 1960c. The origin of the *Baikiaea* Forest. For. Newsl. Nth. Rhod. 58: 9-10.
- FANSHAW, D.B., 1961. Evergreen forest relics in Northern Rhodesia. Kirkia 1: 20-24.
- FANSHAW, D.B., 1962a. Mukusi Forest on Sandstone Hills. For. Newsl. Nth. Rhod. 81: 28.
- FANSHAW, D.B., 1962b. *Baikiaea* on basalt. For. Newsl. Nth. Rhod. 84: 17-18.
- FANSHAW, D.B., 1962c. Riparian *Baikiaea*. For. Newsl. Nth. Rhod. 83: 9-10.
- FANSHAW, D.B., 1962d. The mystery of the teak forests. For. Newsl. Nth. Rhod. 84: 19-20.
- FANSHAW, D.B., 1962e. Thirty years later. For. Newsl. Nth. Rhod. 81: 24-25.
- FANSHAW, D.B., 1963a. Succession in Mukusi forests in Sesheke and Senanga. For. Newsl. Nth. Rhod. 88: 7-8.
- FANSHAW, D.B., 1963b. Sylviculture and management of Miombo Woodland CSA/CCTA Publs No. 52, pp 101-104.
- FANSHAW, D.B., 1964. *Baikiaea* forest relics. For. Newsl. Zambia 97: 10.
- FANSHAW, D.B., 1968. The vegetable ivory palm - *Hyphaene ventricosa* Kirk - its ecology, silviculture and utilisation. Kirkia 6: 105-116.
- FEELY, J.M., 1966. Natal wildlife conservation problems. Natal Wildlife 7.
- FERRAR, A.A. & WALKER, B.H., 1974. An analysis of herbivore/habitat relationships in the Kyle National Park, Rhodesia. J. sth. Afr. Wildl. Mgmt Ass 4: 137-147.
- FEY, M., 1970. A preliminary investigation into the effects of afforestation of the headwaters of streams in the Natal Midlands. University of Natal Wildlife Soc. Newsl. 16, pp. 30.
- FICK, J.C., 1944. Skending van die grond- veld- en waterbronne. Suid-Afrika. Kaapstad.
- FISCHER, J., 1936. Grasses for pastures in Natal. Fmg S. Afr. 11: 97-98.
- FOURCADE, H.G., 1889. Report on the Natal forests. Pietermaritzburg: Government Printer. pp. 197.

- GAFF, D.F. & ELLIS, R.P., 1974. Southern African grasses with foliage that revives after dehydration. *Bothalia* 11: 305-308.
- GALPIN, E.E., 1924. The native timber trees of the Springbok Flats. *Mem. bot. Surv. S. Afr.* No. 7, pp. 26.
- GAMBLE, J.S., 1890. A forester's short trip to the Cape Peninsula. *Indian Forester* 16: 431-444.
- GELDENHUYS, C.J., 1975. Die kunsmatige vestiging van inheemse bos in die Suid-Kaap. *For. S. Afr.* 16: 45-53.
- GELLERT, J.F., 1948. Klimabedingtheid en wirt schafts geografie struktur der farmwirts chaft und farmsiedlung in Sudwestafrika. *Erdkunde* 2: 282-302.
- GELLERT, J.F., 1950. Ein Jahrzehnt Niederschlagschwankungen und ihre Auswirkungen auf das Weideland und die Wirtschaft. *Erdkunde* 4: 110-112.
- GENTZ, I., 1902. Die hauptschweirigkeiten des gartenbaues in Deutsch-Sudwestafrika. *Tropenpflanzer* 6: 234-237.
- GERICKS, S. J. & MENTZ, G. J., 1973. Evaluation of ERTS-1 imagery for small scale mapping of general agricultural information. In Malan, O. G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 33-36.
- GERSTNER, J., 1941. A preliminary check-list of Zulu plant names. *Bantu Stud.* 12: 236-251 & 321-342, 13: 49-64, 131-149 & 307-325 & 15: 277-301 & 369-383.
- GEVERS, T.W., 1950. Effects of afforestation on water supplies. With reference to Bulletin No.33, Department of Forestry, Union of South Africa. *Jl S. Afr. For. Ass.* No. 19, pp. 67-76.
- GIESS, W., 1970a. Ein beitrage zur Flora des Etosha National Parks. *Dinteria* 5: 19-38.
- GIESS, W., 1970b. *Moringa ovalifolia*: die boom van die Sprokieswoud in die Nasionale Etoshawildtuin. *Dinteria* 5: 57-58.
- GIESS, W., 1970c. Die verbreitung von *Moringa ovalifolia* Dinter & Berger in Sudwestafrika. *Dinteria* 5: 59-64.
- GILFILLAN, N.H., 1965. Our national parks. *Afr. wild Life* 19: 183-191.
- GILLARD, P., 1963a. An ecological study of grazing intensity on *Trachypogon* - and other species grasslands. Ph.D. thesis, University of the Witwatersrand.
- GILLARD, P., 1963b. The effect of grazing intensity on cattle gains and on the vegetation of the Bankenveld. *S. Afr. J. Sci.* 59: 64-65.
- GILLARD, P., 1966. Responses to grazing intensity on the Transvaal Highveld. *Expl. Agric.* 2: 217-224.
- GILLARD, P., 1969. The effect of stocking rate on botanical composition and soils in natural grassland in South Africa. *J. appl. Ecol.* 6: 489-497.
- GOHL, C.R., 1944. Drift sand reclamation and coast stabilisation in the south-western districts of the Cape Province. *Jl S. Afr. For. Ass.* 12: 4-18.
- GOMES E SOUSA, A. DE F., 1955. A proteazao da Natureza no Ultramar Portugues, especialmente em Mozambique. *Bolm Soc. Estud. Mozamb.* 25: 3-23.
- GOODWIN, A.J.H., 1939. The origin of certain African food-plants. *S. Afr. J. Sci.* 36: 445-463.
- GORDON, T., 1973. The Lemon Forest. *Trees S. Afr.* 25,2: 30-36.
- GOUVEIA, D.G. & BARBOSA, L.G., 1967. Ecological-agricultural survey of Mozambique. *Agronomia mozambicana* 1: 15-20.
- GRAHAM, E.H., 1944. Natural principle of land use. New York: Oxford University Press.
- GRAHAM, M. & HALL, T.D., 1933. Pasture investigations in Southern Rhodesia. *S. Afr. J. Sci.* 30: 288-306.
- GRANT, P.J., CLATWORTHY, J.N. & GOLDSCHMIDT, W.B., 1974. An examination of methods of sampling herbage from small-plot cutting trials. *Proc. Grassld Soc. sth. Afr.* 9: 77-81.
- GREEN, G.C. & TILLEMA, J.E., 1966. Minimum temperature survey in relation to winter vegetable experimentation at Barberton. *S. Afr. J. agric. Sci.* 9: 137-152.
- GROBLER, J. H., EDWARDS, P. J. & GERICKE, S. J., 1970. Handleiding om grondgebruiksklassifikasie as basis vir bewaringsboerdery te verduidelik. In *Optimale bodembenutting in die landbou*, pp. 27-34. Pretoria: Department of Agricultural Technical Services.
- GROBLER, P.J. & MARAIS, J., 1967. Vegetation of the National Bontebok Park, Swellendam. *Koedoe* 10: 132-146.
- GROENEWALD, J.A., 1964. Changes in primary resources in South African agriculture. *Agrekon* 3: 22-29.
- GRUNOW, J.O., 1959. Rapid rotational grazing system most effective on sour veld. *Fmg S. Afr.* 35,2: 40-41.
- GRUNOW, J.O., 1973. Research relating to the management of South African grassland ecosystems. *S. Afr. J. Sci.* 69: 54-56.
- GRUNOW, J.O. & COETZEE, J.J., 1974. Game farming in relation to veld management. *Farmer's Weekly*, Durban, 23 Jan, pp. 28-29.
- GRUNOW, J.O. & LANCE, G.N., 1966. Objective classification of plant communities: inverse association analysis and normal association analysis of different synusia. *S. Afr. J. agric. Sci.* 9: 899-905.
- GRUNOW, J.O., PIENAAR, A.J. & BREYTENBACH, C., 1970. Long term nitrogen application to veld in South Africa. *Proc. Grassld Soc. sth. Afr.* 5: 75-90.
- GRUNOW, J.O. & PRELLER, J.H., 1958. A counter-board as an accessory to the botanical wheel apparatus used for botanical analysis. *S. Afr. J. agric. Sci.* 1: 231-234.
- GRUNOW, J.O. & VAN GINKEL, B., 1965. Determination of the bulk utilization of different veld grasses under grazing conditions by means of an individual tuft clipping method. *S. Afr. J. agric. Sci.* 8: 487-506.
- GRUT, M., 1965. Forestry and forest industry in South Africa. Cape Town: Balkema. pp. 115.
- HAIGH, H., 1973. Grassing eroded areas in the Drakensberg. *For. S. Afr.* 13: 31-33.
- HALL, M., 1939. Pasture research and erosion control in South Africa. *Herb. Rev.* 7: 80-85.
- HALL, M., 1940. Nutritive value of South African pasture. *Herb. Rev.* 8: 189-194.
- HALL, T.D., 1931. Intensive grazing on veld. *S. Afr. J. Sci.* 28: 202-204.
- HALL, T.D., 1932. Intensive grazing on veld. 2. *S. Afr. J. Sci.* 29: 389-413.
- HALL, T.D., 1934. South African pastures: retrospective and prospective. *S. Afr. J. Sci.* 31: 59-97.
- HALL, T. D., 1952. The importance of veld and planted pastures to South Africa. In *Veld gold: a South African book of grassland farming*, pp. 5-14. Johannesburg: National Veld Trust.
- HALL, T.D. & ALTONA, R.E., 1952. Phosphate and nitrogen fertilization of native pastures. In *Proceedings of the 6th International Grassland Congress*.
- HALL, T.D. & MEREDITH, D., 1937. Intensive grazing on veld. 4. The effect of rotational grazing and fertilizing on veld over a six-year period. *S. Afr. J. Sci.* 33: 404-430.
- HALL, T.D. & MEREDITH, D., 1945. Residual effects of fertilizers on veld hay. *S. Afr. J. Sci.* 41: 194-203.
- HALL, T.D., MEREDITH, D. & ALTONA, R.E., 1949. Four nitrogenous fertilizers on veld. *S. Afr. J. Sci.* 45: 100-105.
- HALL, T.D., MEREDITH, D. & MURRAY, S.M., 1941. Fertilizing natural veld and its effect on sward, chemical composition, carrying capacity and beef production. *S. Afr. J. Sci.* 37: 111-129.
- HALL, T.D., MEREDITH, D. & MURRAY, S.M., 1948. Dry matter and protein of pastures as affected by amounts and forms of nitrogen applied. *S. Afr. J. Sci.* 44: 111-118.
- HALL, T.D., MEREDITH, D., MURRAY, S.M. & ALTONA, R.E., 1949. The effect of fertilizers on turf grass at the Frankendal Research Station. In *Better turf through research*. Johannesburg: AECI.
- HALL, T.D. & MOSES, D., 1935. Intensive grazing on veld. 3. The role of intensive management in wool production in the eastern Transvaal. *S. Afr. J. Sci.* 32: 205-222.
- HALL, T.D., MOSES, D. & MURRAY, S.M., 1935. The botanical composition of exotic pastures in South Africa. *S. Afr. J. Sci.* 32: 197-204.
- HALL, T.D. & MURRAY, S.M., 1935. The botanical analysis of intensively grazed pastures. *S. Afr. J. Sci.* 32: 189-196.
- HARDWICK, P.A., 1972. The control of environmental pollution - a case study. *Rhod. Sci. News.* 6,8: 233-236.
- HARRISON, A.D., 1965. Some environmental effects of coal and gold-mining on the aquatic biota. In *Biological problems in water pollution*, Third Seminar, 1962, pp. 270-274. Cincinnati: US Public Health Service Publication 999.
- HARTIG, R.D., 1939. Die Forstwirtschaft Sudafrikas. *Z. Weltforstw.* 6: 661-748.

- HAVILAND, P.H., 1927. Preventative measures against soil erosion in Southern Rhodesia. S. Afr. J. Sci. 24: 110-116.
- HAWKINS, T.H., 1966. Exotic Acacias in South Africa. Nature, Lond. 210: 577.
- HAYLETT, D.G., 1958. Advances in crops and pastures in the Union of South Africa in the last twenty-five years. Emp. J. exp. Agric. 26: 169-182.
- HECTOR, J.M., 1936. Introduction to the botany of field crops. Vol. I. Cereals. Vol. 2. Non-cereals. Johannesburg: Central News Agency. pp. 478 & 479-1127.
- HECTOR, J.M. & IRVINE, L.F., 1938. A new apparatus for charting vegetation. S. Afr. J. Sci. 35: 231-235.
- HEDBERG, I. & HEDBERG, O. (eds), 1968a. Conservation of vegetation in Africa south of the Sahara. Uppsala: Almqvist & Wiksells Boktryckeri A B. pp. 320.
- HEDBERG, I. & HEDBERG, O. (eds), 1968b. Conservation of vegetation in Africa south of the Sahara. Acta phytogeogr. succ. 54: 1-320.
- HEERING, W. & GRIMME, C., 1911. Untersuchungen über die weideverhältnisse in Deutsch Sudwestafrika. Berlin: Parey. pp. 143.
- HEIBERG-JURGENSEN, K. & PENNEFATHER, M., 1966. Fertilizing of *Eucalyptus grandis* (*saligna*) on old wattle lands. S. Afr. For. J. 57: 11-12.
- HEMENS, J. & STANDER, G.J., 1969. Nutrient removal from sewage effluents by algal activity. Advances in Water Pollution Research, pp. 701-711.
- HENDERSON, M. & ANDERSON, J.G., 1966. Common weeds in South Africa. Mem. bot. Surv. S. Afr. No. 37, pp. 440.
- HENKEL, C.C., 1894. Tree planting for ornamental and economic purposes in the Transkeian territories, South Africa. Pinetown Printing Establishment, Mariannhill. pp. 127.
- HENKEL, J.S., 1913. The indigenous high forest situated in the divisions of George, Knysna and Humansdorp, Cape Province. S. Afr. J. Sci. 9: 68-76.
- HENKEL, J.S., 1917. Forest progress in the Drakensberg. S. Afr. J. Sci. 13: 179-186.
- HENKEL, J.S., 1920a. Afforestation in Zululand. Rhodesia agric. J. 17: 50-52.
- HENKEL, J.S., 1920b. Forestry in Southern Rhodesia. London: HMSO pp. 23.
- HENKEL, J.S., 1931. *Acacia giraffae* Burch. A description and fodder value. Rhodesia agric. J. 28: 71-73.
- HENKEL, J.S., 1937. Report on the plant and animal ecology of the Hluhluwe Game Reserve. Pietermaritzburg: Natal Witness.
- HENKEL, J.S., 1944. Waste products in natural vegetation. Proc. 18th Ann. Cong. S. Afr. Sug. Technol. Ass, pp. 62-64.
- HENRICI, M., 1930. Mineral and feeding stuff analyses of grasses of the eastern Transvaal highveld. Rep. vet. Res. Un. S. Afr. No. 16, pp. 421-434.
- HENRICI, M., 1932. Namaqualand's sheep pastures. Fmg S. Afr. 7: 5-8 & 33.
- HENRICI, M., 1933. Propagation of Karoo bushes. Fmg S. Afr. 8: 435-436.
- HENRICI, M., 1940. Fodder plants of the Broken Veld. Part 2. Sci. Bull. Dep. Agric. Un. S. Afr. No. 213, pp. 42.
- HENRICI, M., 1943. Data on the sugar and starch content of some fodder plants under different physiological conditions. S. Afr. J. Sci. 40: 157-161.
- HENRICI, M., 1945a. The effect of wilting on the direct assimilates of lucerne and other fodder plants. S. Afr. J. Sci. 41: 204-212.
- HENRICI, M., 1945b. Digestion experiments with fresh Karoo plants. S. Afr. J. Sci. 41: 213-217.
- HENRICI, M., 1947. The use and misuse of shrubs and trees as fodder. Jt. Publs Commonw. agric. Bur. 10: 57-93.
- HENRICI, M., 1949. The carbohydrate content of lucerne under different meteorological and physiological conditions. Onderstepoort J. vet. Sci. Anim. Ind. 22: 273-413.
- HENRICI, M., 1951. The effect of cutting and grazing on *Pentzia incana* under different systems of veld management. Sci. Bull. Dep. Agric. Un. S. Afr. No. 292, pp. 31.
- HENRICI, M. & POTTER, P.E., 1934. An investigation of pastures in the Eastern Province and in the Albany district. Sci. Bull. Dep. Agric. Un. S. Afr. No. 134, pp. 36.
- HENSLEY, M., 1969. Selected properties affecting the irrigation values of some Makatini soils. M.Sc. thesis, University of Natal.
- HENSLEY, M., 1970. Brak, a threat to our irrigation schemes. S. Afr. J. Sci. 66: 180-181.
- HEWITT, P.H. & NEL, J.J.C., 1969. Toxicity and repellency of *Chrysocoma tenuifolia* Berg (Compositae) to the harvester termite *Hodoterms mossambicus* Hagen (Hodotermitidae). J. ent. Soc. sth. Afr. 32: 133-135.
- HEYDORN, A.E.F., 1970. The mounting threat to our estuaries. Afr. wild Life 24: 193-200.
- HEYDORN, A.E.F., 1972. South African estuaries - an economic asset or a natural resource being squandered? Scientiae 13,5: 2-6.
- HEYDORN, A.E.F., 1973. Aquaculture: a substitute for management of living marine resources? J. sth. Afr. Wildl. Mgmt Ass. 3: 109-114.
- HILL, J.R.C., 1972. The mine dump problem in Rhodesia. Rhodesia agric. J. 69: 65-73.
- HILL, J.R.C. & NOTHARD, W.F., 1973. The Rhodesian approach to vegetating slimes dams. J. S. Afr. Inst. Min. Metall. 74: 197-208.
- HITCHINS, P.M., 1968. Records of plants eaten by mammals in the Hluhluwe Game Reserve. Lammergeyer 83: 31-39.
- HITCHINS, P.M., 1969. The influence of vegetation types on sizes of home range of black rhinoceroses in Hluhluwe Game Reserve, Zululand. Lammergeyer 10: 81-85.
- HOBSON, S., 1896. Deterioration of the veld. Agric. J. Cape G. H. 9: 491-492.
- HOLLOWAY, Y., 1966. St Lucia - hoe lank nog "wild". Huisgenoot 42, 2302: 70-73.
- HORNBY, H.E., 1968. Overstocking: a modern approach to the problem. Rhodesia agric. J. 65: 67-74.
- HOWELL, D., 1963. The new look in veld management. Farmer's Weekly, Bloemfontein, 14th Feb. pp. 18-20.
- HUNTLEY, B.J., 1972. Aspects of grassland production and utilization on a northern Transvaal nature reserve. J. sth. Afr. Wildl. Mgmt Ass. 2,2: 24-28.
- HUTCHINS, D.E., 1894. Forestry and silviculture. Indian Forester 20: 368-380.
- HUTCHINS, D.E., 1903a. Some aspects of South African forestry. Rep. S. Afr. Ass. Advmt Sci. 1: 354-361.
- HUTCHINS, D.E., 1903b. Transvaal forest report. Pretoria: Government Printer. pp. 136.
- HUTCHINS, D.E., 1904. Indigenous timbers of the Cape. Agric. J. Cape G.H. 24: 224-226.
- I'ONS, J.H., 1967. The effects of fertilisers on subtropical *Hypparrhenia* veld in Swaziland. Expl. Agric. 3: 143-151.
- IMMELMAN, D.W., 1967. Bewaringsboerdery-toestande in die Bo-Oranje opvangsgebied. D.Sc. (Agric.) thesis, University of Pretoria.
- IMMELMAN, W.F.E., WICHT, C.L. & ACKERMAN, D.P. (eds), 1973. Our green heritage. Cape Town: Tafelberg. pp. 340.
- IRVINE, L.O.F., 1937. The ecology of the northern Transvaal in relation to agriculture. S. Afr. J. Sci. 33: 639-642.
- IRVINE, L.O.F., 1941. The major veld types of the northern Transvaal and their grazing management. D.Sc. thesis, University of Pretoria. pp. 371.
- IVENS, G.W., 1965. The control of brush by herbicides in tropical and subtropical grassland. Part 2. Africa. Herb. Abstr. 35: 6-12.
- JAABACK, G. & MUZZEL, P., 1971. The establishment of vegetation in civil engineering work. Proc. Grassld Soc. sth. Afr. 6: 181-184.
- JACKS, G.V. & WHYTE, R.O., 1939. The rape of the earth: a world survey of soil erosion. London: Faber & Faber. pp. 313.
- JACOT GUILLARMOD, A., 1969. Modern agricultural practice and limnology in Lesotho. News Lett. Limnol. Soc. sth. Afr. No. 13, pp. 41-44.
- JACOT GUILLARMOD, A. & BUNTON, P.H., 1968. The Thomas Baines Nature Reserve. Afr. wild Life 22: 105-106.
- JAMES, A.L., 1966. Stabilizing mine dumps with vegetation. Endeavour 25: 154-157.
- JEPPE, C.B., 1965. Operation wildflower. Afr. wild Life 19: 117-122.

- JESSOP, J.P. & JACOT GUILLARMOD, A., 1969. The vegetation of the Thomas Baines Nature Reserve. *Jl S. Afr. Bot.* 35: 367-392.
- JONES, R.I., 1967. Comparative effects of differential defoliation of grass plants in pure and mixed stands of two species. *S. Afr. J. agric. Sci.* 10: 429-444.
- JONES, R.I., 1972a. Influence of clipping on individual plants: repeated cutting of *Themeda triandra*. *Agric. Res., Pretoria*, pp. 160-164.
- JONES, R.I., 1972b. Influence of clipping on individual grass plants: effects of height of clipping, level of reserves and moisture stress, on regrowth of *Themeda triandra*. *Agric. Res., Pretoria*, pp. 159-160.
- JONES, R.I., 1972c. Influence of clipping on individual grass plants: effect of time of defoliation on the survival of *Aristida junciformis*. *Agric. Res., Pretoria*, pp. 159.
- JORDAAN, P.G., 1949. Gemeenskapontwikkeling en veldbeheer. *Tydskr. Wet. Kuns* 9: 204-214.
- JOUBERT, J.G.V., 1962. Bosinringing - die invloed van verskillende behandelings op die verhouding van *Acacia detinens* Burch (Swarthaak) tot gras in die Damaralandse doringboom savannahveld in Suidwes-Afrika. M.Sc. thesis, University of Stellenbosch.
- JOUBERT, J.G.V., 1966. Effect of various treatments on the ratio of bushes to grass in the Damaraland thorn tree savanna in South West Africa. *Annale Univ. Stellenbosch Serie A* 41: 435-463.
- JOUBERT, J.G.V., 1968a. Die ekologie van die weiveld van die Robertson-Karoo. D.Sc. thesis, University of Stellenbosch. pp. 162.
- JOUBERT, J.G.V., 1968b. Weiveldbenutting en verbetering met spesiale verwysing na die Klein-Karoo. In Swart, J.C. (ed.), *Die skaap en sy vag*. Cape Town: Nasionale Boekhandel.
- JOUBERT, J.G.V., 1969. Improved grazing on the strandveld. *Fmg S. Afr.* 44, 10: 17, 22 & 34.
- JOUBERT, J.G.V., 1970. Die Robertson Karoo as weiveldstreek. *Proc. Grassld Soc. sth. Afr.* 5: 62-68.
- JOUBERT, J.G.V., 1971. 'n Voorlopige vergelyking tussen twee beweidings stelsels op Weskus Strandveld. *Proc. Grassld Soc. sth. Afr.* 6: 78-81.
- JOUBERT, J.G.V., STIWDT, H.W. & PEROLD, I.S., 1969. The nutritive value of natural pastures in the districts of Calitzdorp, George, Knysna, Mossel Bay, Oudtshoorn and Uniondale in the winter rainfall area of the Republic of South Africa. *Tech. Comm. Dep. agric. tech. Serv. (S. Afr.) Pretoria No.* 82, pp. 10.
- KANTHACK, F.E., 1907. Sluits: their evil and prevention. *Agric. J. Cape G. H.* 31: 574-589.
- KANTHACK, F.E., 1908. The destruction of mountain vegetation: its effects upon the agricultural conditions in the valleys. *Agric. J. Cape G.H.* 33: 194-204.
- KAY, J., 1963. Moremi Wildlife Reserve, Okavango. *Oryx* 7, 2/3: 102-105.
- KEET, J.D.M., 1925. Trees and shrubs for the bushveld portions of the Pretoria, Rustenburg and Waterberg districts of the Transvaal. *J. Dep. Agric. Un. S. Afr.* 10: 306-323.
- KEET, J.D.M., 1927. Afforestation and conservation in South West Africa. *Windhoek: John Meinert*. pp. 66.
- KEET, J.D.M., 1929. Tree planting in the Orange Free State, Griqualand West, Bechuanaland and the north-eastern districts of the Cape Province. *Bull. Dep. For. Un. S. Afr.* No. 24, pp. 115.
- KEET, J.D.M., 1936. Report on drift sands in South Africa. *Bull. Dep. Agric. For. Un. S. Afr.* No. 172, pp. 44.
- KEET, J.D.M., 1939. Destruction of native forests in Northern Zululand. *Jl S. Afr. For. Ass. No.* 3, pp. 115-116.
- KEET, J.D.M., 1950. Forests of the Okavango native territory. *Jl S. Afr. For. Ass. No.* 19, pp. 77-88.
- KEET, J.D.M., 1961. Stinkwood stories. *Jl S. Afr. For. Ass. No.* 38, pp. 34-35.
- KEET, J.D.M., 1962a. The *Trema* plantations of Westfalia Estate. *S. Afr. For. J. No.* 41, pp. 15-27.
- KEET, J.D.M., 1962b. Letter to editor. *S. Afr. For. J. No.* 43, p. 26.
- KEET, J.D.M., 1965. The veld and forest fire laws of South Africa. *S. Afr. For. J. No.* 55, pp. 3-9.
- KEET, J.D.M., 1966. Management of plantations on short rotations specially for production of pulpwood - with particular reference to the use and conservation of water supplies. *S. Afr. For. J. No.* 59, pp. 9-13.
- KEET, J.H., 1966. Some thoughts on the effects of short rotation pine crops on the soil. *S. Afr. For. J. No.* 59, pp. 14-15.
- KELK, D.M. & DONALDSON, C.H., 1970. An investigation of veld problems in the Molopo area. 2. Some practical implications of the experimental findings. *Proc. Grassld Soc. sth. Afr.* 5: 58-61.
- KENNAN, T.C.D., 1951. Preliminary report on a comparison of several heavy yielding perennial grasses for the production of ensilage. *S. Afr. J. Sci.* 47: 262.
- KENNAN, T.C.D., 1969. The significance of bush in grazing land in Rhodesia. *Rhod. Sci. News* 3: 331-336.
- KENNAN, T.C.D., STAPLES, R.R. & WEST, O., 1955. Veld management in Southern Rhodesia. *Rhodesia agric. J.* 52: 4-21.
- KETTLITZ, W.K. & VERSCHUUR, T.B., 1958. The Hans Merensky Nature Reserve. *Fauna Flora, Pretoria* 9: 29-49.
- KILLICK, D.J.B., 1966. Report on the Dukuduku Forest. *Botanical Research Institute, Pretoria*. pp. 12.
- KILLICK, D.J.B., 1968a. Conservation of vegetation in the Transvaal. *Acta phytogeogr. succ.* 54: 239-243.
- KILLICK, D.J.B., 1968b. Fifty years of plant ecology in South Africa. *Jl S. Afr. biol. Soc.* 7,8: 11-28.
- KILLICK, D.J.B., 1968c. Progress in the mapping of the vegetation of South Africa. *Acta phytogeogr. succ.* 54: 314-318.
- KING, N.L., 1939a. Reclamation of Port Elizabeth drift sands. *Jl S. Afr. For. Ass. No.* 2, pp. 5-10.
- KING, N.L., 1939b. The Knysna forests and the woodcutter problem. *Jl S. Afr. For. Ass. No.* 3, pp. 6-15.
- KING, N.L., 1940. The Manubi forest. *Jl S. Afr. For. Ass. No.* 4, pp. 24-29.
- KING, N.L., 1941. The exploitation of the indigenous forests of South Africa. *Jl S. Afr. For. Ass. No.* 6, pp. 26-48.
- KING, N.L., 1951. Tree-planting in South Africa. *Jl S. Afr. For. Ass. No.* 21, pp. 1-102.
- KING, N.L., 1952. Some notes on forestry in Northern Rhodesia. *Jl S. Afr. For. Ass. No.* 22, pp. 34-37.
- KIRBY, D.W., AUCAMP, A.J. & INGPEN, R.A., 1972. Studies on various grazing systems for the Dohne sourveld: investigation of the winter utilization of summer spared veld. *Agric. Res., Pretoria*, pp. 170.
- KLINTWORTH, H., 1952. The use of brakwater for irrigation. *Bull. Dep. Agric. Un. S. Afr. No.* 328, pp. 14.
- KNOBEL, R., 1965. Products and by-products of nature conservation. *Afr. wild Life* 19: 271-274.
- KOTZE, J.J., 1921. Some remarks on the establishment and tending of timber plantations with special reference to the Cape Province. *S. Afr. J. nat. Hist.* 3: 145-173.
- KOTZE, J.J., 1926. *Pinus patula*, Schlecht. & Cham., its introduction into and growth in South Africa. *S. Afr. J. Sci.* 23: 455-466.
- KOTZE, J.J., 1937. Forestry in relation to the mining industry of the Witwatersrand. *S. Afr. J. Sci.* 33: 359-361.
- KOTZE, J.J., 1940. Reclamation of the Cape Flats. *Jl S. Afr. For. Ass. No.* 5, pp. 73-74.
- KOTZE, J.J., 1943. Nomenclature of the South African yellowwoods: introduction with notes on distribution. *Jl S. Afr. For. Ass. No.* 10, pp. 23-25.
- KOTZE, J.J., 1954. A pictorial record of a driftsand reclamation task at Blaauwberg. *C.P. Jl S. Afr. For. Ass. No.* 25, pp. 52-57.
- KOTZE, J.J. & HUBBARD, C.S., 1928. The growth of eucalypts on the Highveld and south-eastern mountain veld of the Transvaal. *Bull. Dep. For. Un. S. Afr. No.* 21, pp. 24.
- KOTZE, J.J. & HUBBARD, C.S., 1930. The growth of eucalypts in the sub-tropical plantations of the northern Transvaal and Zululand. *Emp. For. J.* 9: 64-100.
- KRUGER, J.A. & EDWARDS, P.J., 1972. Benutting en relatiewe smaaklikheid van verskillende grasspesies. *Proc. Grassld Soc. sth. Afr.* 7: 146-155.
- KRUGER, J.A. & SMIT, I.B.J., 1973. Herwinning van oulande in die Oos Vrystaat deur die insaai van *Digitaria smusii*, *Eragrostis curvula* en *Themeda triandra*. *Agroplantae* 5: 101-106.
- KRUPKO, I. & DAVIDSON, R.L., 1961. An experimental study of *Stoebe vulgaris* in relation to grazing and burning. *Emp. J. exp. Agric.* 29: 175-180.
- LACK, C.E., 1957. Forestry development in Natal. *Jl S. Afr. For. Ass. No.* 29, pp. 19-30.

- LAMPRECHT, M.P., 1957. Drought resistant fodder crops. In Handbook for farmers in South Africa. 3: 693-700. Pretoria: Department of Agriculture.
- LAMPRECHT, M.P., 1959. Artificial pastures do well in the Karoo. *Fmg S. Afr.* 33: 10.
- LAMPRECHT, M.P., 1963. Die verbouing van meerjarige weidingmengsels onder besproeiing in die Karoo. *S. Afr. J. agric. Sci.* 6: 347-362.
- LANDSELL, K.A., 1925. Onkruid van Suid-Afrika. Pretoria: Government Printer.
- LANG, P.O., 1952. The vegetation of the Insiza and Shangani intensive conservation areas. *Rhodesia agric. J.* 49: 346-351.
- LAUBSCHER, F.X., 1949. Plant breeding for southern Africa. In Statements and communications of the African Regional Scientific Conference, 17-28 Oct. 1946, Johannesburg, pp. 138-141. Johannesburg.
- LAUGHTON, F.S., 1937. The silviculture of the indigenous forests of the Union of South Africa with special reference to the forests of the Kynsna region. *Sci. Bull. Dep. Agric. For. Un. S. Afr.* No. 157, pp. 168.
- LAUGHTON, F.S., 1938. The raising of transplants of indigenous tree species for open-rooted planting. *Jl S. Afr. For. Ass.* No. 1, pp. 17-27.
- LAUGHTON, F.S., 1942. Notes on the silviculture of the indigenous forests. *Jl S. Afr. For. Ass.* No. 8, pp. 24-36.
- LE ROUX, C.J.G., 1972a. Effect of the browsing animal on thornscrub in Natal: effect of goats on *Acacia tortilis*. *Agric. Res., Pretoria*, pp. 147-149.
- LE ROUX, C.J.G., 1972b. Burning and/or mowing veld without grazing. *Agric. Res., Pretoria*, pp. 164-167.
- LE ROUX, H.H., 1966. Veldbestuur in die wateropvang gebiede van die winterreestreek van Suidwes-Kaapland. *For. S. Afr.* No. 6, pp. 1-32.
- LE ROUX, P.J., 1971. The common names and a few uses of the better known indigenous plants of South West Africa. *Bull. Dep. For. S. Afr.* No. 47, pp. 81.
- LE ROUX, P.J., & ESTERHUYSE, C.J., 1967. Die aanplant van sierbome, sierstruie en rankplante in Suidwes-Afrika. *Bull. Dep. For. S. Afr.* No. 43, pp. 75.
- LECATSAS, G., 1963a. The spread of 'Bankrotbos' (*Stoebe vulgaris*). *S. Afr. J. Sci.* 59: 301-302.
- LECATSAS, G., 1963b. Control of *Stoebe vulgaris* by hoeing. *S. Afr. J. Sci.* 59: 564.
- LEGAT, C.E., 1918. Timber supplies and forestry in the Union. *S. Afr. J. Sci.* 15: 79-99.
- LEGAT, C.E., 1930. The cultivation of exotic conifers in South Africa. *Emp. For. J.* 9: 32-63.
- LEIGH, J.H., 1961a. Persistence of some varieties of pasture grass and their susceptibility to invasion by other species. *J. Ecol.* 49: 341-345.
- LEIGH, J.H., 1961b. The unity of the grass stool in *Eragrostis curvula*. *Jl S. Afr. Bot.* 27: 99-100.
- LEIGHTON, J., 1918. Notes on the fibre produced from some of the most useful indigenous and exotic plants in the Cape Province. *S. Afr. J. Sci.* 15: 443-444.
- LEISTNER, O.A., 1971. Trees and shrubs of the Willem Pretorius Nature Reserve. Bloemfontein: Provincial Administration of the Orange Free State, pp. 27.
- LEPPAN, H.D., 1928. The agricultural development of arid and semi-arid regions with special reference to South Africa. Johannesburg: Central New Agency, pp. 280.
- LESOTHO, VEGETATION, 1966. Lesotho Land Systems. East and West Sheets. 1:250 000. Bawden, M.G. & Carroll, D.M. Maseru: Public Works Department.
- LIEBENBERG, C.B.D., 1945. Veld management and soil utilization in the south-eastern Cape Province. *Fmg S. Afr.* 20: 617-628 & 638.
- LISTER, J.S., 1902. Report on forestry in Natal and Zululand. Pietermaritzburg: Times.
- LIVERSIDGE, R., 1972. Grasses grazed by springbok and sheep. *Proc. Grassld Soc. Sth. Afr.* 7: 32-38.
- LOMBARD, P.E., 1966. The nutritional value of the pastures of the Orange Free State region for beef cattle production. D.Sc. (Agric.) thesis, University of the Orange Free State.
- LOPES DA SILVA, M., 1971. Algumas Notas sobre a Cultura do Eucalipto em Angola. Nova Lisboa, Instituto de Investigacao Agronomica de Angola Serie Tecnica 24.
- LOUW, A.J., 1964. Bemestingstudies in verband met die natuurlike veld op die rooi-leemgrond van die Springbokvlakte. M.Sc. (Agric.) thesis, University of Pretoria.
- LOUW, A.J., 1966. Bemesting van natuurlike veld op rooi leemgrond van die Springbokvlakte. 1. Invloed van ammoniumsulfaat- en superfosfaatbemesting op plantkundige samestelling van die veld. *S. Afr. J. agric. Sci.* 9: 173-182.
- LOUW, A.J., 1968. Bemesting van natuurlike veld op rooi leemgrond van die Springbokvlakte. 2. Invloed van ammoniumsulfaat- en superfosfaatbemesting op lugdroemateriaalopbrengs en die minerale-inhoud daarvan. *S. Afr. J. agr. Sci.* 11: 629-636.
- LOUW, A.J., 1971. Influence of grazing of cattle, sheep and goats in the northern Transvaal: effect on mopani veld. *Agric. Res., Pretoria*, pp. 114.
- LOUW, A.J., 1973. Botaniese samestelling van beskermde persele in Mopanieveld. *Agroplantae* 5,1: 23-24.
- LOUW, G.N., 1969. The nutritive value of natural grazings in South Africa. *Proc. S. Afr. Soc. Anim. Prod.* 8: 57-61.
- LOUW, J.G., 1938. The influence of frequency of cutting on yield, chemical composition, digestibility and nutritive value of some grass species. *Onderstepoort J. vet. Sci. Anim. Ind.* 11: 161.
- LOXTON, R.F., 1968. A case for pedological survey in the timber industry. *S. Afr. For. J.* 65: 33-35.
- LUCAS, A., 1965. The Melville Koppies Nature Reserve. Botanical Report. *J. bot. Soc. S. Afr.* 51: 26-26.
- LUCKHOFF, H.A., 1954. The establishment and regeneration of *Eucalyptus saligna* plantations in the coastal belt of Zululand. *Jl S. Afr. For. Ass.* 25: 1-20.
- LUCKHOFF, H.A., 1964a. The natural distribution, growth and botanical variation of *Pinus caribaea* and its cultivation in South Africa. *Annale Univ. Stellenbosch Serie A* 39,1: 1-160.
- LUCKHOFF, H.A., 1964b. The natural distribution growth and botanical variation of *Pinus caribaea* and its cultivation in South Africa. D.Sc. thesis, University of Stellenbosch.
- MACEDO, J.M. DE A., 1970. Serra de Gorongosa: Necessidade e bases da sua protecao. Instituto de Investigacao Agronomica de Mocambique Comunicacoes 44. pp. 92.
- MACKENZIE, A.A., 1967. The desirability of afforestation in Bantu Reserves within the Republic. *S. Afr. For. J.* 67: 1-4.
- MAHESHWARI, J.K., 1971. The baobab tree: disjunctive distribution and conservation. *Biol. Conserv.* 4: 57-60.
- MALAN, W.M., 1962. The pollution of ground-water. CSIR Special Report W 15, Pretoria, pp. 41.
- MALHERBE, C.E., 1962. Die invloed van bemesting op *Setaria sphacelata*. M.Sc. (Agric.) thesis, University of Pretoria.
- MALHERBE, C.E., 1969. Influence of nitrogenous and phosphatic fertilizers on *Setaria sphacelata* in South Africa. *J. Brit. Grassld Soc.* 24: 45-49.
- MALHERBE, C.E., 1972. Defoliation by mechanical means of the north-eastern sandy Highveld: influence of defoliation by mowing during different fixed seasons of the year and combinations thereof. *Agric. Res., Pretoria*, pp. 176.
- MALHERBE, E.G., 1938. European and Native in relation to the problems of deterioration and conservation of natural resources, and features of scientific interest in South Africa. *S. Afr. J. Sci.* 35: 45-50.
- MALHERBE, H.L., 1968a. Afforestation and water supplies in South Africa. Pretoria: Department of Forestry.
- MALHERBE, H.L., 1968b. Bosboupotensiaal in opvanggebiede. *S. Afr. For. J.* 66: 12-17.
- MARAI, A., 1937. Improvement of Renosterbos veld. *Fmg S. Afr.* 12: 452-460.
- MARQUIS OF GRAHAM & HALL, T.D., 1933. Pasture investigations in Southern Rhodesia. *S. Afr. J. Sci.* 30: 288-306.
- MARTIN, A.R.H., 1965. Plant ecology of the Grahamstown Nature Reserve. 1. Primary communities and plant succession. *Jl S. Afr. Bot.* 31: 1-54.
- MARTIN, A.R.H., 1966. The plant ecology of the Grahamstown Nature Reserve. 2. Some effects of burning. *Jl S. Afr. Bot.* 32: 1-39.
- MARTIN, J.D., 1941. Report on forestry in Barotseland. Lusaka:

- Government Printer.
- MCILROY, R.J., 1964. An introduction to tropical grassland husbandry. London: Oxford University Press. pp. 128.
- MCKAY, A.D., 1968. Rangeland productivity in Botswana. E. Afr. agric. For. J. 34: 178-193.
- MEREDITH, D., 1943. Towards a national pastoral policy. S. Afr. J. Sci. 40: 37-56.
- MEREDITH, D., 1947. The effect of fertilizers on grasses in certain areas of South Africa with special reference to nitrogen. Johannesburg: African Explosives & Chemical Industries, Agricultural Advisory Section.
- MEREDITH, D. (ed.), 1955. The grasses and pastures of South Africa. Johannesburg: Central News Agency. pp. 757.
- MEREDITH, D. & ROSE, C.J., 1955. Grasslands in South African agriculture. In Meredith, D. (ed.), The grasses and pastures of South Africa 2: 531-538. Johannesburg: Central News Agency.
- MES, M.G., SAUBERT-VON HAUSEN, S. & VAN GYLS-WYK, N.D., 1956. A comparative study of the growth and yield of a number of *Crotalaria* species suitable for green manuring. S. Afr. J. Sci. 53: 181-189.
- METELERKAMP, H.R.R. & THOMPSON, J.G., 1967. Soil studies and irrigation. Rhodesia agric. J. 64,4: 79.
- MIDGLEY, D.C., 1972. Memorandum on Mkuze Swamps Management (Mkuze Channel). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MILLER, O.B., 1948. Check-list of the forest trees and shrubs of the British Empire. No. 6. Bechuanaland Protectorate. Oxford: Scrivener Press. pp. 77.
- MILLS, P.F.L., 1968. Effects of fertilizer on the botanical composition of veld grassland at the Matopos. Rhodesia agric. J. 61: 91-93.
- MILLS, P.F.L., 1968. Effects of fertilizers on the yield and quality of veld grassland in the dry season. Rhod. J. agric. Res. 6: 27-39.
- MITCHELL, B.L., 1961. Ecological aspects of game control measures in African wilderness and forested areas. Kirkia 1: 120-129.
- MITCHELL, D.S., 1974a. Environmental management in relation to aquatic weed problem. In Mitchell, D.S. (ed.), Aquatic vegetation and its use and control, pp.57-71. Paris: UNESCO.
- MITCHELL, D.S. (ed.), 1974b. Aquatic vegetation and its use and control. Paris: UNESCO.
- MOEBIUS, F., 1936. Untersuchungen über einige Südwestafrikanische Futtergrasser und futterkrauter. Tropenpflanzer 39: 319-330.
- MOGG, A.O.D., 1921. A method of veld estimation. S. Afr. J. Sci. 17: 222-226.
- MOGG, A.O.D. & BADENHUIZEN, N.P., 1958. The Melville koppiess, past, present and future. Trees S. Afr. 9: 74-79.
- MOLL, E.J., 1967. Forest trees of Natal - a field guide to 200 species. Durban: Wildlife Protection & Conservation Society of South Africa.
- MOLL, E.J., 1968. Some notes on the vegetation of Mkuze Game Reserve, Natal. Lammergeyer 8: 25-30.
- MOLL, E.J. & PIERCE, S.M., 1975. The use of the profile diagram technique as a tool for describing vegetation structure with special reference to the Dwesa Forest, Transkei. Trees S. Afr. 27: 2-10.
- MOLL, E.J., WARD, C.J., STEINKE, T.D. & COOPER, K.H., 1971. Our mangroves threatened. Afr. wild Life 25: 103-107.
- MOLL, E.J. & WOODS, D.B., 1971. The rate of forest tree growth and a forest ordination at Xumeni, Natal. Bothalia 10: 451-460.
- MONTEIRO, R.F.R., 1965. Relationship between the forests of the Mayombe and the Dembos. An outline of the principal factors. Bol. Inst. Invest. Cient. Angola 1: 257-265.
- MONTEIRO, R.F.R., 1970. Estudo da flora e da vegetação das florestas abertas do planalto do Bie. Instituto de Investigação Científica de Angola, Luanda.
- MOON, P., 1964. The Etosha Pan Game Reserve. Afr. wild Life 18: 235-239.
- MORRIS, J., 1945. The Vermeerbos problem in Griqualand West. Fmg S. Afr. 19: 591-594.
- MORRIS, J.J., 1940. The steekgras problem. Fmg S. Afr. 15: 71-72.
- MORRIS, J.J., 1945. Veld problems in the western Transvaal. Fmg S. Afr. 20: 479-484 & 494.
- MORRIS, J.J., 1948. Pasture research work at the Potchefstroom College of Agriculture for the period 1941-1945. Bull. Dep. Agric. Un. S. Afr. No. 277, pp. 28.
- MORRIS, J.J., 1958. Veldaanlegte en die beweging van wild in die Kalahari-gemsbokpark. Koedoe 1: 136-142.
- MOSES, D., 1932. Experiments with improved pastures in the coastal belt. Part 1. S. Afr. J. Sci. 29: 376-377.
- MOSES, D., 1934. Experiments with improved pastures in the coastal belt. Part 2. S. Afr. J. Sci. 31: 299-314.
- MOSES, D. & DEENIK, Z., 1933. The botanical survey of intensively grazed veld. S. Afr. J. Sci. 30: 317-323.
- MOSTERT, J.W.C., 1953. Establishment of perennial grasses on old lands. Fmg S. Afr. 28: 18-20.
- MOSTERT, J.W.C., 1967. Veld-tipes, probleme en weidingsnavorsing in die Oranje-vrystaatstreek. Proc. Grassld Soc. sth. Afr. 2: 31-37.
- MOSTERT, J.W.C. & DONALDSON, C.H., 1959. Rest periods for natural veld essential. Fmg S. Afr. 35: 10-13.
- MOSTERT, J.W.C., ROBERTS, B.R., HESLINGA, C.F. & COETZEE, P.G., 1971. Veld management in the OFS Region. Bull. Dep. agric. tech. Serv. S. Afr. No. 391, pp. 716.
- MOSTERT, J.W.C., VORSTER, L.F. & DONALDSON, C.H., 1964. Produkciebepalings en die beheer van rooigrasveld met Afrikaansebeeste. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 32, pp. 11.
- MOZAMBIQUE, VEGETATION, n.d. Esboço da Vegetação. 1:2000000. Gomes Pedro, J. & Grandvaux Barbosa, L.A. Província de Mocimboa; Junta de exportação do Algodoeira.
- MULDER, G.J., 1972. The soil as basis for agricultural development in the Upper Orange catchment area: the soils of a portion of the Klein Caledon catchment area. Agric. Res., Pretoria, pp. 13-15.
- MURDOCH, G., 1965. Practical value of a soil series classification to agricultural research. Proc. 39th Ann Cong. S. Afr. Sug. Technol. Ass. 39, pp. 242.
- MURRAY, J.M., 1940. Observations on the more important veld grasses of the Pretoria district. Their seasonal variations and the changes brought about by several systems of grazing management. M.Sc. thesis, University of the Witwatersrand.
- MURRAY, J.M., 1945. Pasture problems in the Transvaal transition belt. Fmg S. Afr. 20: 509-513.
- MURRAY, J.M., 1946. A guide to botanical technique for pasture research workers. Pretoria: Department of Agriculture. pp. 30.
- MYRE, M., 1949. Necessidade do ordenamento das pastagens. Gazeta Agric. Mocamb. 1,7: 143-149.
- MYRE, M., 1958. Combate as espinhosas nas áreas de pastagens. Gazeta Agric. Mocamb. 10, 113: 297-298.
- MYRE, M., 1960. Os principais componentes das pastagens espontâneas do sul da província de Mocimboa. I. Estudo espcude geral florístico-ecológica das espcve pascícolas, endericiando-se as gramíneasque xistem na Província. Mems Jta Invest. Ultramar Ser 2, 20. pp. 307.
- MYRE, M., 1970. An invasao dos arbustos nas áreas de pastagens Primeiras observacoes de uma experiencia em curso. Agronomia Mocamb. 4,2: 115-138.
- MYRE, M., 1971. As pastagens da regio do Maputo. Memoirs Instituto Investigacao Agronomica Mocimboa 3: 1-181.
- MYRE, M. & ANTÃO, L.R., 1972. Reconhecimento pascícola ao Vale do Save. Instituto de Investigacao de Agronomica de Mocimboa, Comunicacoes 75: 180. !tft
- NÄNNI, U.W., 1963. Forest hydrology in the Drakensberg. Jl S. Afr. biol. Soc. 4: 33-35.
- NÄNNI, U.W., 1968a. Report of a visit to St Lucia area, July 1968. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NÄNNI, U.W., 1968b. The effect of forestry practice on runoff. S. Afr. For. J. No. 66, pp. 18-22.
- NÄNNI, U.W., 1969a. Afforestation and water supplies: Maputoland. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NÄNNI, U.W., 1969b. Veld management in the Natal Drakensberg. S. Afr. For. J. No. 68, pp. 5-15.

- NÄNNI, U.W., 1970. Trees, water and perspective. S. Afr. For. J. No. 75, pp. 9-17.
- NÄNNI, U.W., 1971. The Mokobulaan research catchments. S. Afr. For. J. No. 78, pp. 5-13.
- NÄNNI, U.W., 1972. Water use by riparian vegetation at Cathedral Peak. S. Afr. For. J. No. 80, pp. 1-10.
- NÄNNI, U.W., 1974. Veld Management in the proposed Valley of a 1000 Hills Nature Reserve. Proc. Grassld Soc. sth. Afr. 9: 39-44.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1948. Map of Cathedral Area. Natal Drakensberg. 1:31 680. Pearse, R.O. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1951. Vegetation map of Catchment I. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1953. Vegetation Map of Catchment IX. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, DUKU DUKU, MPATE & ST LUCIA, VEGETATION, 1961. A composite map of the southern portions of Duku Duku, Mpate & St Lucia showing excision and all boundaries. 1:24 000. Pretoria: Government Printer.
- NATAL, HLUHLUWE GAME RESERVE, VEGETATION, 1936. Map of Hluhluwe Game Reserve. Prismatic compass survey and vegetation types. 1:32 000. Henkel, J.S. Pretoria, Botanical Research Institute.
- NATAL REGIONAL SURVEY, 1957. Agriculture in Natal. Recent developments. Cape Town: Oxford University Press.
- NATAL, KOSI LAKE SYSTEM, VEGETATION, 1959. Vegetation types of the Kosi Lake System. 1:36 000. Tinley, K.L. Pretoria, Botanical Research Institute.
- NATAL, KILBURN PUMPED STORAGE SCHEME, VEGETATION, n.d. Kilburn Pumped storage scheme. 1:10 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, THREE RIVERS AREA, VEGETATION, 1968. Vegetation map of the Three Rivers Area. 1:253 807. Moll, E.J. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, n.d. Vegetation of the Tugela Basin, Natal. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1962. Vegetation of the Tugela Basin. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1967. Vegetation of the Tugela basin, Natal. 1:250 000. Edwards, D. Mem. bot. Surv. S. Afr. No. 36.
- NATAL, VEGETATION, 1943. An agro - ecological map of Natal. 1:1 000 000. Pentz, J.A. Pretoria: Government Printer.
- NATAL, VEGETATION, 1965. Vegetation of the St Lucia Lake Area. 1:39 600. Tinley, K.L. Pretoria, Botanical Research Institute.
- NATIONAL COMMITTEE FOR NATURE CONSERVATION, 1974. Register of permanent conservation areas in South and South West Africa (August 1973). Koedoe 17: 85-119.
- NEL, J.W., GRUNOW, J.P., HUGO, W.J., PIENAAR, A.J. & VOSS, H.C., 1964. Die voedingswaarde van *Eragrostis curvula* (Schrad.) Nees in hooi-en weidingsgewas vir skape. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 23, pp. 30.
- NICHOLAS, G.W., 1952. The answer to desert encroachment. Farmer's Weekly, Bloemfontein, 25 June 1952, pp.14-17.
- NOBBS, E.A., 1904. Grasses for trial in the Cape Colony. Agric. J. Cape G.H. 25: 204-207.
- NOBBS, E.A., 1907. Restoration of the veld by the aid of aloes. Agric. J. Cape G.H. 31: 526-528.
- NOBBS, E.A., 1942. Veld. The '1820' Magazine 1941-1942. pp. 58.
- NOBLE, R.G., 1974. An evaluation of the conservation status of aquatic biotopes. Koedoe 17: 71-83.
- NOBLE, R.G., PRETORIUS, W.A. & CHUTTER, F.M., 1971. Biological aspects of water pollution. S. Afr. J. Sci. 67: 132-136.
- NOEL, A.R.A., 1961. A preliminary account of the effect of grazing upon species of *Helichrysium* in the Amatola Mountains. J. S. Afr. Bot. 27: 81-86.
- NORTHERN RHODESIA, VEGETATION, 1947. Vegetation - soil map of Northern Rhodesia, 1:1 000 000. Pretoria: Government Printer.
- NURSEY, W.R., 1973. Improve your natural veld. Part 1. Planning a strategy. Farmer's Weekly, Durban, 28th March, pp. 12-15.
- NURSEY, W.R.E., 1970. Management of *Geigeria*-infested veld in Griqualand West. Proc. Grassld Soc. sth. Afr. 5: 42-49.
- NUTTONSON, M.Y., 1961. The physical environment and agriculture of the Union of South Africa with special reference to its winter rainfall regions containing areas climatically and altitudinally analogous to Israel. Washington: American Institute of Crop Ecology. pp. 459.
- O'CONNOR, A.J., 1930. Tree planting in the northern Transvaal. Bull. Dep. For. Un. S. Afr. No. 27.
- O'CONNOR, A.J. & CRAIB, I.J., 1929. Sylvicultural investigation of the Black Wattle (*Acacia mollissima* Wild.) S. Afr. J. Sci. 26: 235-246.
- OAKES, A.J., 1966. Effect of nitrogen fertilization and harvest frequency on yield and composition of *Panicum maximum* Jacq. in dry tropics. Agron. J. 58: 75-77.
- OATES, A.V., 1951. Some pasture problems encountered in native areas of Matabeleland. S. Afr. J. Sci. 47: 327-329.
- OELLERMANN, R.A., 1964. Nutritive value of *Themeda triandra*. 1. The influence of variables on the determination of the different protein fractions in forage and on the *in vitro* fermentation procedure employed. S. Afr. J. agric. Sci. 7: 633-648.
- OELLERMANN, R.A., 1965a. The nutritive value of *Themeda triandra*. 2. Variation in *in vitro* protein synthesis caused by seasonal fluctuations of inoculum and stage of maturity of grass. S. Afr. J. agric. Sci. 8: 393-399.
- OELLERMANN, R.A., 1965b. The nutritive value of *Themeda triandra*. 3. Seasonal variations in forage quality as determined by different criteria. S. Afr. J. agric. Sci. 8: 607-620.
- OLIFF, W.D. (ed.), 1969. The disposal of effluents into the sea off the Natal Coast. Report 14. Natal Town and Regional Planning Commission, Pietermaritzburg, pp. 140.
- OLIVIERA, J. SANTOS & CASIMIRO, J. DE FIGUEIREDO, 1968. The ecology of some forest species in Mozambique. Revista de Ciencias Agronomicas Serie A 1: 163-195.
- ONDERSTALL, J., 1974. The Lowveld Botanic Garden. Trees S. Afr. 26: 2-9.
- OOSTHUIZEN, C.J. & WALTERS, M.M., 1961. Control water fern with dieselole. Fmg S. Afr. 37: 35-37.
- OOSTHUIZEN, M.J., 1964. The biological control of *Lantana camara* L. in Natal. J. ent. Soc. sth. Afr. 27: 1-16.
- OPPERMAN, D.P.J. & LA GRANGE, L.F., 1969. Gifblaar control in South-West Africa. Fmg S. Afr. 45,2: 9,11 & 13.
- OPPERMAN, D.P.J. & ROBERTS, B.R., 1970. Die invloed van ontblaring op die wortelgewigte, stoppelgewigte en reerwe status van meerjarige veldgrasse (*Themeda triandra*, *Eragrostis lehmanniana* en *Cymbopogon plurinodis*). Agroplante 2: 51-59.
- ORCHARD, E.R., 1952. A note on the calcium content of some highly productive pastures in Natal. S. Afr. J. Sci. 48: 232-234.
- OWEN-SMITH, G., 1972. The Kaokoveld - last wilderness. Afr. wild Life 26,2: 71-77.
- PAPPE, L., 1862. Silva Capensis. London: Ward.
- PENTZ, J.A., 1932. Agricultural grasses of South Africa and management of their pastures. Bull. Dep. Agric. Un. S. Afr. No. 106, pp. 23.
- PENTZ, J.A., 1938. The value of botanical survey and the mapping of vegetation as applied to farming systems in South Africa. Mem. bot. Surv. S. Afr. No. 19, pp. 15.
- PENTZ, J.A., 1940. Soil erosion survey of the reclamation area in Natal. Sci. Bull. Dep. Agric. Un. S. Afr. No. 212, pp.18.
- PENTZ, J.A., 1944. An agro-ecological survey of Natal. Proc. 11th Ann. Cong S. Afr. Sug. Technol. Ass. pp.65.
- PENTZ, J.A., 1945. An agro-ecological survey of Natal. Bull. Dep. Agric. For. Un. S. Afr. No. 250, pp. 10.
- PENTZ, J.A., 1955. Grasses in soil and water conservation. In

- Meredith, D. (ed.). The grasses and pastures of South Africa 2: 712-723. Johannesburg: Central News Agency.
- PENZHORN, B.L., 1970. A check-list of the flowering plants in the herbarium of the Mountain Zebra National Park. Koedoe 13: 131-146.
- PENZHORN, B.L. & OLIVIER, M.C., 1974. A systematic checklist of flowering plants collected in the Addo Elephant National Park. Koedoe 17: 121-136.
- PENZHORN, B.L., ROBERTSE, P.J. & OLIVIER, M.C., 1974. The influence of the African elephant on the vegetation of the Addo Elephant National Park. Koedoe 17: 137-158.
- PENZHORN, K.E.W., 1959. 'n Studie van die fisies-biologiese fase van boerdery beplanning in die Hoefeldstreek van Suid-Afrika. D.Sc. (Agric.) thesis, University of Pretoria.
- PEREIRA, J.L., 1965. Aspectos ecologicos e valor zootecnico das pastagens naturais do sul de Angola. Proc. 9th. Int. Grassld Congr. 1429-1431.
- PETTEY, F.W., 1948. The biological control of prickly pears in South Africa. Sci. Bull. Dep. Agric. Un. S. Afr. No. 271, pp. 163.
- PETTEY, F.W., 1953. The boring beetles of prickly pear in South Africa and their importance in the control of *Opuntia megacantha*. Sci. Bull. Dep. Agric. Un. S. Afr. No. 340, pp. 36.
- PHILLIPS, E.P., 1920. The importance of a properly equipped state herbarium to an agricultural country. S. Afr. J. nat. Hist. 2: 18-38.
- PHILLIPS, E.P. & PENTZ, J.A., 1935. Cultivated native grasses. Sci. Bull. Dep. Agric. Un. S. Afr. No. 146, pp. 16.
- PHILLIPS, J., 1919. Forest life at the Pirie. S. Afr. Gdng Country Life 9: 145-146, 185, 187 & 194.
- PHILLIPS, J., 1965. Aspects of an ecological approach to the development of great projects such as those for the Orange River. S. Afr. J. Sci. 61: 69-75.
- PHILLIPS, J., 1969. Ecological aspects of international development south of the Sahara: South Africa's potential contribution by the turn of the century. S. Afr. J. Sci. 65: 277-290.
- PHILLIPS, J., 1973. The agricultural and related development of the Tugela Basin and its influent surrounds. Report 19. Natal Town and Regional Planning Commission, Pietermaritzburg, pp. 299.
- PHILLIPS, J.F.V., 1924. The biology, ecology and silviculture of "Stinkwood" (*Ocotea bullata* E.Mey.). S. Afr. J. Sci. 21: 275-292.
- PHILLIPS, J.F.V., 1926. The propagation of Stinkwood (*Ocotea bullata* E.Mey.) by vegetative means. S. Afr. J. Sci. 23: 418-434.
- PHILLIPS, J.F.V., 1927. Growth and regeneration in sub-tropical forests. Yb. Carnegie Instn Wash. 26: 326.
- PHILLIPS, J.F.V., 1931a. Ecology - the foundation of forestry. Emp. For. J. 10: 86-105.
- PHILLIPS, J.F.V., 1931b. South Africa's wasting heritage. S. Afr. geogr. J. 14: 19-25.
- PHILLIPS, J.F.V., 1937a. Botany, pure and applied, in relation to industry, with special reference to the mining industry of South Africa. Introductory remarks, scheme and concluding remarks. S. Afr. J. Sci. 33: 356-358.
- PHILLIPS, J.F.V., 1937b. Studies of vegetation on mine dumps, Johannesburg. S. Afr. J. Sci. 33: 431-433.
- PHILLIPS, J.F.V., 1938. Deterioration in the vegetation of the Union of South Africa and how this may be controlled. S. Afr. J. Sci. 35: 476-484.
- PHILLIPS, J.F.V., 1943. Some methods of control of unwanted vegetation. S. Afr. J. Sci. 40: 134.
- PHILLIPS, J.F.V., 1949. Research in plant ecology in Africa. In Statements and communications of the African Regional Scientific Conference 17-28 Oct. 1949, Johannesburg. pp. 173-177.
- PHILLIPS, J.F.V., 1954. The development of agriculture and forestry in the tropics. London: Faber & Faber. pp. 206.
- PHILLIPS, J.F.V., 1957. Aspects of the ecology and productivity of some of the more arid regions of southern and eastern Africa. Vegetatio 7: 38-68.
- PHILLIPS, J.F.V., 1959. Agriculture and ecology in Africa: a study of actual and potential development south of the Sahara. London: Faber & Faber. pp. 412.
- PHILLIPS, J.F.V., 1963. The forests of George, Knysna and the Tsitsikama: a brief history of their management 1878-1939. Bull. Dep. For. S. Afr. No. 40, pp. 54.
- PIENAAR, A.J., 1956. Studies on burning and mowing of veld. M.Sc. thesis, University of Natal.
- PIENAAR, A.J., 1964. Veld control. Bull. Dep. Agric. S. Afr. No. 376, pp. 52-69.
- PIENAAR, U. DE V., 1968. The ecological significance of roads in a national park. Koedoe 11: 169-174.
- PILGER, R., 1910. Sudwestafrikanische Futtergraser. Notizbl. bot. Gart. Mus. Berl. 5: 133-155.
- PLOWES, D.C.H., 1956. Bush or grass - which do we want? Rhodesia agric. J. 53: 589-595.
- PLOWES, D.C.H., 1957. The seasonal variation of crude protein in twenty common veld grasses at Matopas, Southern Rhodesia, and related observations. Rhodesia agric. J. 54: 33-55.
- PLUMMER, F.E. & HAYLETT, D.G., 1938. Climate in relation to the deterioration and conservation of natural resources in the Union. S. Afr. J. Sci. 35: 2-18.
- PLUMMER, F.E. & LEPPAN, H.D., 1927. Rainfall and farming in the Transvaal. Bull. Fac. Agric. Transv. Univ. Coll. No. 12.
- PLUMSTEAD, E.P., 1963. The influence of plants and environment on the developing animal life of Karroo times. S. Afr. J. Sci. 59: 147-152.
- POLE EVANS I.B., 1933. Agricultural possibilities of some of the African grasses. Emp. J. exp. Agric. 1: 341-346.
- POLE EVANS I.B., 1935. Pasture research in South Africa. Nature, Lond. 136: 402.
- POLE EVANS, I.B., 1936. Pasture research in the Union of South Africa. Bull. imp. Bur. Pl. Genet. Herb. 18: 7-18.
- POLE EVANS, I.B., SAUNDERS, R.A., ROWLAND, J.W. & DE VILLIERS, S.R., 1936. Pastures and forage crops in South Africa. Bull. imp. Bur. Pl. Genet. Herb. 18: 31.
- POLLOCK, N.C., 1969. Some observations on game ranching in southern Africa. Biol. Conserv. 2,1: 18-24.
- PORTER, R.N., 1975. The production, utilization and effects of grazing on some of the pastures in the Umfolozi Game Reserve, Zululand. M.Sc. thesis, University of the Witwatersrand.
- POYNTON, R.J., 1962. 'n Gids tot die kenmerke en gebruik van bome en struik. Bull. Dep. For. Un. S. Afr. No. 39, pp. 70.
- POYNTON, R.J., 1965. Research on the silviculture of *Eucalyptus grandis* (*Saligna*) in the northern Transvaal. S. Afr. For. J. No. 55, pp. 10-20.
- POYNTON, R.J., 1966a. Tree planting in Basutoland. For. S. Afr. No. 6, pp. 33-52.
- POYNTON, R.J., 1966b. The drought resistance of commercial timber species in the Transvaal. For. S. Afr. No. 6, pp. 87-106.
- POYNTON, R.J., 1968. Trees for the western Transvaal selected on the basis of arboretum trials. M.Sc. thesis, University of Stellenbosch.
- POYNTON, R.J., 1971. A silvicultural map of Southern Africa. S. Afr. J. Sci. 67: 58-60.
- POYNTON, R.J., 1974. Characteristics and uses of trees and shrubs. Bull. Dep. For. S. Afr. No. 39, pp. 70.
- PRELLER, J.H., 1948. Pasture control with special reference to the border area. Fmg S. Afr. 23: 191-199.
- PRELLER, J.H., 1950. Pasture and pasture crops. Sci. Bull. Dep. Agric. Un. S. Afr. No. 280, pp. 94.
- PRELLER, J.H., 1969. Weidingnavorsing in Suid-Afrika: 'n geskiedkundige oorsig. Proc. Grassld Soc. sth. Afr. 4: 16-18.
- RATTRAY, J.M., 1960. The habit, distribution, habitat, forage value and veld indicator value of the commoner Southern Rhodesian grasses. Rhodesia agric. J. 57: 424.
- READ, H.A., 1941. *Eucalyptus saligna* and soil reclamation. Jl S. Afr. For. Ass. 7: 50-52.
- REES, W.A., 1974. Bush sucker control in miombo woodland in Zambia. E. Afr. agric. J. 40: 44-49.
- REITZ, D., 1938. The forests of Northern Zululand. Jl S. Afr. For. Ass. No. 1, pp. 28-29.
- RETHMAN, N.F.G., 1965. Studies on grass growth in a tall grass veld sward. M.Sc. (Agric.) thesis, University of Natal.
- RETHMAN, N.F.G. & BEUKES, B.H., 1973. Overseeding of

- Eragrostis curvula* on north-eastern sandy Highveld. Proc. Grassld Soc. sth. Afr. 8: 57-59.
- RETHMAN, N.F.G., BEUKES, B.H. & MALHERBE, C.E., 1971. Influence on a north-eastern sandy highveld sward of winter utilization of sheep. Proc. Grassld Soc. sth. Afr. 6: 55-62.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1968. The influence of time of defoliation on the vigour of a tall grassveld sward in the next season. Proc. Grassld Soc. sth. Afr. 3: 91-94.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1969. The seasonal growth patterns of a tall grassveld sward. Proc. Grassld Soc. sth. Afr. 4: 56-60.
- RICHARDS, P.W., 1947. The introduction of *Fontinalis antipyretica* into South Africa and its biological effects. Trans. Br. bryol. Soc. 1: 16.
- RICHARDS, P.W., 1964. What the tropics can contribute to ecology. J. appl. Ecol. 33: 1-11.
- RINEY, T., 1963. A rapid field technique and its application in describing conservation status and trends in semi-arid pastoral areas. Sols Afr. 8: 159-334.
- ROBERTS, B.R., 1963. Ondersoek in die plantegroei van die Willem Pretorius Wildtuin met spesiale verwysing na veldbenutting. Koedoe 6: 137-164.
- ROBERTS, B.R., 1965a. Applied ecology in land-use planning of catchment areas. S. Afr. J. Sci. 61: 111-117.
- ROBERTS, B.R., 1965b. Veld management - the corner-stone of conservation. Leaflet. Dep. agric. tech. Serv. S. Afr. No.19, pp. 22.
- ROBERTS, B.R., 1966. Conservation of the vegetation of the Orange Free State. Acta phytogeogr. suec. 54: 247-250.
- ROBERTS, B.R., 1967a. Notes on numerical analysis as applied to vegetation classification. J. S. Afr. Bot. 33: 241-246.
- ROBERTS, B.R., 1967b. Pasture quality and its relation to utilization. Proc. Grassld Soc. sth. Afr. 2: 157-162.
- ROBERTS, B.R., 1968. Application of veld management in South Africa - an analysis of progress. Proc. Grassld Soc. sth. Afr. 4: 92-98.
- ROBERTS, B.R., 1969. The vegetation of the Golden Gate Highlands National Park. Koedoe 12: 15-28.
- ROBERTS, B.R., 1970a. Why multicamp layouts? Proc. Grassld Soc. sth. Afr. 5: 17-22.
- ROBERTS, B.R., 1970b. Assessment of veld condition and trend. Proc. Grassld Soc. sth. Afr. 5: 137-139.
- ROBERTS, B.R., 1974. Ecological research in conserved areas in the Orange Free State. Proc. Grassld Soc. sth. Afr. 9: 45-51.
- ROBERTS, B.R., ANDERSON, E.R. & FOURIE, J.H., 1975. Evaluation of natural pastures: quantitative criteria for assessing condition in the *Themeda* veld of the Orange Free State. Proc. Grassld Soc. sth. Afr. 10: 133-140.
- ROBERTS, B.R. & OPPERMAN, D.P.J., 1966. The influence of defoliation on carbohydrate status and nutritive value of perennial veld grasses. Proc. 10th Int. Grassld Cong. pp. 940-944.
- ROBERTS, B.R. & OPPERMAN, D.P.J., 1974. Veld management recommendations - a reassessment of key species and proper use factors. Proc. Grassld Soc. sth. Afr. 9: 149-155.
- ROBERTS, B.R., OPPERMAN, D.P.J. & VAN RENSBURG, W.L.J., 1972. Introductory veld ecology and utilization. Bloemfontein: University of the Orange Free State.
- ROBERTS, B.R. & SCOTT, J.D., 1968. The nutritive value, yield and botanical composition of irrigated pastures as influenced by nitrogen fertilizing. Proc. Grassld Soc. sth. Afr. 3: 83-89.
- ROBERTSON, C.C., 1911. Farm forestry in the Orange Free State. Bull. Dep. For. Un. S. Afr. No.1, pp. 10.
- ROBERTSON, C.C., 1924. The forests of South Africa. Emp. For. J. 3: 99-121.
- ROBERTSON, T.C., 1962. Agro-economic survey of Southern Rhodesia. Veldtrust, 23,1: 23, 25 & 27.
- RODEL, M.G., 1952. The effects of different intensities of defoliation on veld and on yields and root development of certain grass species. M.Sc. (Agric.) thesis, University of Natal.
- ROSS, J.C., 1958a. Ten years of conservation progress. Veldtrust 19,11: 16-17, 19 & 29.
- ROSS, J.C., 1958b. A credit balance for conservation. Veldtrust 19,12: 12-13, 15 & 30.
- ROTH, H.H., 1966. Game utilization in Rhodesia in 1964. Mammalia 30: 297-423.
- ROUX, E., 1946. The veld and the future. Cape Town: The African Bookman, pp. 59.
- ROUX, E., 1956. The science of ecology. Veldtrust 17,6: 8-9.
- ROUX, E., 1963. The veld and the future. Johannesburg: Witwatersrand University Press.
- ROUX, P.W., 1964. The disc chart will help you manage your veld. Fmg S. Afr. 40,1: 25-31.
- ROUX, P.W., 1967. Die onmiddellike uitwerking van intensiewe beweiding op gemengde Karooveld. Proc. Grassld Soc. sth. Afr. 2: 83-90.
- ROUX, P.W., 1968. Principles of veld management in the Karoo and the adjacent sweet-grass veld. In Hugo, W.J. (ed.), The small stock industry in South Africa, pp. 318-340. Pretoria: Department of Agricultural Technical Services.
- ROUX, P.W. & DE KOCK, D.G.C., 1971. Benutting van *Kochia brevifolia* deur skape. Proc. Grassld Soc. sth. Afr. 6: 108-117.
- ROWLAND, J.W., 1937a. Aims and techniques of Sour Veld management experiments. S. Afr. J. Sci. 33: 611-616.
- ROWLAND, J.W., 1937b. Some factors influencing range management in Union of South Africa. Int. Grassld Cong. 4: 118-123.
- ROWLAND, J.W., 1937c. Grazing management. Bull. Dep. Agric. For. Un. S. Afr. No. 168, pp. 26.
- ROWLAND, J.W., 1938a. Investigations into the productivity and management of the natural veld and permanent pasture on a certain soil type in the Pretoria district. Sci. Bull. Un. S. Afr. Dep. Agric. & For. No. 203, pp. 197.
- ROWLAND, J.W., 1938b. Pasture research in South Africa. Prog. Rep. Past. Res. S. Afr. No. 1, pp. 6-9.
- ROWLAND, J.W., 1948a. Principles of grassveld utilization. Fmg S. Afr. 23: 486-494.
- ROWLAND, J.W., 1948b. Pasture research objectives for the semi-arid regions. Fmg S. Afr. 23: 498-503.
- ROWLAND, J.W. & HECTOR, J.M., 1932. Pasture studies 1 - a preliminary analysis of the grazing conditions on a Potgietersrust farm. S. Afr. J. Sci. 29: 338-350.
- RYCROFT, H.B., 1955. The effect of riparian vegetation on water-loss from an irrigation furrow at Jonkershoek. J. S. Afr. For. Ass. No. 26, pp. 2-9.
- RYCROFT, H.B., 1956. Saving our flora. J. bot. Soc. S. Afr. 41/42: 13-15.
- RYCROFT, H.B. & WICHT, C.L., 1948. Field trials of *Pinus pinaster* in South Africa. J. S. Afr. For. Ass. No. 16, pp. 55-66.
- RYKE, P., 1968. Toegepaste ekologie. Spectrum 6: 497-502.
- SALBANY, A., 1948. Ecological and conservation studies in the Magaliesberg area: a further contribution. M.Sc. thesis, University of the Witwatersrand.
- SARCCUS, 1975. The distribution of presently protected areas in relation to the need for conservation of representative areas of unique biotic communities in central and Southern Africa. Pretoria: SARCCUS.
- SARDINHA, A.M., 1964. Reserva florestal do Luena Plano provisório da exploração. Agronomia angol. 19: 108.
- SARDINHA, A.M., 1968. Breves considerações sobre o momento florestal. Agronomia angol. 27: 87-104.
- SAUNDERS, A.R., 1936. Reclamation of witchweed-infested lands by planting grasses. Fmg S. Afr. 11: 96 & 127.
- SAVORY, C.A.R., 1969. Crisis in Rhodesia. Oryx 10: 25-30.
- SAWER, E.R., 1912. Cedara memoirs on South African agriculture. 3 vols. Pietermaritzburg. pp. 343, 373 & 249.
- SCHOEMAN, J.L., 1972. The soils as basis for agricultural development in the Orange catchment area: the soils of the Broekspruit sub-catchment area. Agric. Res., Pretoria, pp. 15-17.
- SCHOEMAN, S.L., 1939. Investigations on 1. The viable seed content of the veld and 2. The effect of seasonal grazing and cutting on the top growth and the root systems of natural veld and certain indigenous species. M.Sc. thesis, University of Pretoria.
- SCHONLAND, S., 1927. The reclamation of ruined pasturage on the Amatolas, near Keiskama Hoek. Sci. Bull. Dep. Agric. Un. S. Afr. No. 55, pp. 15.
- SCHULZ, H.K., 1962. Rodent control in Sabie forests. S. Afr. J. Sci. 58: 161-174.
- SCHUMANN, T.E.W. & THOMPSON, W.R., 1934. A study of

- South African rainfall: secular variations and agricultural aspects. *Publs Univ. Pretoria Ser. 1*, No. 28, pp. 46.
- SCHURMAN, C.J., 1948. Conservation of our veld and soil. *Fmg S. Afr.* 23: 291-292.
- SCOTNEY, D.M., 1971. Land capability classification - a basis for farm conservation planning. *Proc. Grassld Soc. sth. Afr.* 6: 101-107.
- SCOTT, J.D., 1937. The possibilities of reseeding damaged veld and old lands. *S. Afr. J. Sci.* 33: 617-624.
- SCOTT, J.D., 1948. Veld and pasture management in Natal high rainfall areas. *Fmg S. Afr.* 23: 607-614.
- SCOTT, J.D., 1951a. Conservation of vegetation in South Africa. In *Management and conservation of vegetation in Africa*. Bull. Commonw. Bur. Past. fld Crops 41, pp. 9-27.
- SCOTT, J.D., 1951b. A contribution to the study of the problems of the Drakensberg conservation area. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 324*, pp. 170.
- SCOTT, J.D., 1952a. The application of the basic principles of veld management in farm planning. *S. Afr. J. Sci.* 48: 198-200.
- SCOTT, J.D., 1952b. The management of range pastures (veld) in Africa. *Int. Grassld Congr.* 6: 477-483.
- SCOTT, J.D., 1955a. Principles of pasture management. In Meredith, D. (ed.), *The grasses and pastures of South Africa*, pp. 601-623. Johannesburg: Central News Agency.
- SCOTT, J.D., 1955b. Pasture plant for special purposes. In Meredith, D. (ed.), *The grasses and pastures of South Africa*, pp. 653-666. Johannesburg: Central News Agency.
- SCOTT, J.D., 1956. The study of the primordial buds and the reaction of roots and defoliation as a basis of grassland management. *Int. Grassld Congr.* 7: 479-487.
- SCOTT, J.D., 1966. Pasture research in Natal. *Proc. Grassld Soc. sth. Afr.* 1: 27-32.
- SCOTT, J.D., 1967a. Advances in pasture work in South Africa. Part 1. Veld. *Herb. Abstr.* 37: 1-9.
- SCOTT, J.D., 1967b. Advances in pasture work in South Africa. Part 2. Cultivated pastures. *Herb. Abstr.* 37: 159-167.
- SCOTT, J.D., 1970. A basis for planned conservation farming. *S. Afr. J. Sci.* 66: 312-315.
- SCOTT, J.D., 1975. Pasture research in Southern Africa in retrospect and prospect. *Rhodesia agric. J.* 72: 23-27.
- SCOTT, J.D. & BOOYSEN, P. DE V., 1956. Effects of certain fertilizers on veld at Ukulinga. *S. Afr. J. Sci.* 52: 240-243.
- SCOTT, J.D., WEST, O., BEHR, G.F. & PENTZ, J.A., 1940. Tabamhlope Pasture and Reclamation Research Station. *Prog. Rep. Past. Res. S. Afr. No. 2*, pp. 357-370.
- SCOTT, J.D., WEST, O. & PENTZ, J.A., 1938. Estcourt and Tabamhlope Pasture and Reclamation Research Station. *Prog. Rep. Past. Res. S. Afr. No. 1*, pp. 153-161.
- SCOTT, J.D., WEST, O., WARD COX, R.S.H. & PENTZ, J.A., 1940. Estcourt Pasture and Reclamation Research Station. *Prog. Rep. Past. Res. S. Afr. No. 2*, pp. 315-356.
- SCOTT, M.H., 1927. Notes on the characteristics and minute structure of thirty woods indigenous to South Africa. *S. Afr. J. Sci.* 24: 298-317.
- SCOTT, M.H., 1929. Notes on exotic coniferous timbers grown in South Africa. *S. Afr. J. Sci.* 26: 258-276.
- SCOTT, M.H., 1949. Weights of timbers used in South Africa with a list of their standard and common names. *Jl S. Afr. For. Ass. No. 17*, pp. 75-112.
- SCOTT, M.H., 1950. Notes on important African timbers imported into the Union with special reference to Portuguese East Africa. *Jl S. Afr. For. Ass. No. 19*, pp. 18-62.
- SHAW, J., 1875. On the changes going on in the vegetation of South Africa through the introduction of merino sheep. *J. Linn. Soc. (Bot.)* 14: 202-208.
- SHELBOURNE, C.J.A., 1963. Growth rates, stem form and branching character of five provenances of *Pinus khasya* grown under plantation conditions in N. Rhodesia. *Commonw. For. Rev.* 42: 334-346.
- SIM, J.T.R., 1957. Winter rainfall area. In your guide to better pastures. *Fmg S. Afr.* 32, 10: 25 & 27.
- SIM, J.T.R., 1958. Agronomy investigations in the winter rainfall region, 1892-1953. *Sci. Bull. Dep. Agric. Un. S. Afr. No. 373*, pp. 150.
- SIM, T.R., 1904. The Black Wattle industry. *Natal agric. J.* 7: 24-45.
- SIM, T.R., 1905. Forestal education necessary for South Africa. *Rep. Br. & S. Afr. Advmt Sci.* 4: 408-415.
- SIM, T.R., 1919. Flowering trees and shrubs for use in South Africa. Johannesburg: Speciality Press. pp. 200.
- SIM, T.R., 1921. Native timbers of South Africa. Pretoria: Government Printer. pp. 232.
- SKINNER, T.E., 1960. Sound veld management may limit incidence of Gousiekte. *Fmg S. Afr.* 36: 22-24.
- SMIT, I.B.J., 1955. The slangbos problem. *Fmg S. Afr.* 30: 479-481.
- SMIT, I.B.J., 1972. Veld reclamation studies. *Agric. Res., Pretoria*, pp. 149-152.
- SMIT, N.L., 1943. Reclamation of Renosterbos Veld. *Fmg S. Afr.* 18: 287-289.
- SMITH, C.A., 1963. Oversowing pasture legumes into the *Hyparrhenia* grassland of Northern Rhodesia. *Nature Lond.* 200: 811-812.
- SMITH, C.A., 1966. Studies on the *Hyparrhenia* veld of Zambia. The effects of cattle grazing veld and dambos at different stocking rates. *J. agric. Sci., Camb.* 66: 49-56.
- SMUTS, S.J., 1951. The Vlekoop conservation scheme. M.Sc. thesis, University of the Witwatersrand.
- SOMMERLATTE, M.W.L., 1975. A preliminary report on the number, distribution and movement of elephants in the Chobe National Park with notes on browse utilization. *Botswana Notes and Records* 7: 121-129.
- SOSA DE ALMEIDA, F., 1974. Bush control in grassland by aerial spraying. *Proc. Grassld Soc. sth. Afr.* 9: 73-76.
- SOUTH AFRICA, VEGETATION, n.d. Indigenous forests of South Africa. 1:4 000 000. Taylor, H.C. Botanical Research Unit, P.O. Box 471, Stellenbosch, Cape Province.
- SOUTH AFRICA, VEGETATION, n.d. Vegetation map of South Africa. 1:3 000 000. Pole Evans, I.B. Pretoria: Government Printer.
- SOUTH AFRICA, VEGETATION, n.d. Vegetation. 1:4 000 000. Acocks, J.P.H. Department of Agriculture, Division Botany and Plant Pathology.
- SOUTH AFRICA, VEGETATION, 1951. Veld types of South Africa. 1:1 500 000. Acocks, J.P.H. Pretoria, Government Printer.
- SOUTH WEST AFRICA, VEGETATION, 1970. Vegetation map of South West Africa. 1:3 030 300. Giess, W. Windhoek, SWA Herbarium.
- SOUTHERN AFRICA, VEGETATION, 1949. Vegetation map of Southern Africa adapted from I.B. Pole Evans. 1:4 000 000. Department of Agriculture, Division of Botany and Plant Pathology. Pretoria: Government Printer.
- SOUTHERN AFRICA, VEGETATION, 1968. Vegetation map of the Flora Zambesiaca area. 1:2 500 000. Wild, H. & Gandvaux Barbosa, L.A. Salisbury: M.O. Collins.
- STANS, W., 1935. Die Grundlegen Faktoren der Landwirtschaft Sudwestafrikas. *Tropenpflanzer* 38: 460-480 & 505-530.
- STAPLES, R.R., 1926. Experiments in veld management. First report. *Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 49*, pp. 30.
- STAPLES, R.R., 1930. Studies in veld management. A second report on certain veld burning and grazing experiments. *Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 91*, pp. 31.
- STAPLES, R.R., 1931. The manuring of grassland. *Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 97*, pp. 10.
- STAPLES, R.R. & TAYLOR, A.J., 1929. Studies in pasture management. A preliminary report on the seasonal composition of certain South African pasture grasses in relation to their manuring and intensity of grazing. *S. Afr. J. Sci.* 26: 139-153.
- STAPLETON, C.C., 1955. The cultivation of indigenous trees and shrubs. *Jl S. Afr. For. Ass. No. 26*, pp. 10-17.
- STEAD, H.A.J., 1957. Bemestingsverreites in die streekgebiede Karoo- en Oos-Kaapstreek. In *Hulpboek vir boere in Suid Afrika*. Deel 2, pp. 47-49. Pretoria: Department of Agriculture.
- STEEDMAN, E.C., 1933. A description of some trees, shrubs and lianes of Southern Rhodesia. Bulawayo: Rhodesian Printing & Publishing Co. pp. 191.
- STEENKAMP, W.J.F., 1962. Aspects of coniferous afforestation in South Africa. *Jl S. Afr. For. Ass. No. 42*, pp. 8-11.
- STEINKE, T.D., 1968. A preliminary study of tillering in veld grasses. *S. Afr. J. agric. Sci.* 11: 435-439.

- STEINKE, T.D. & BOOYSEN, P. DE V., 1968. The regrowth and utilization of carbohydrate reserves of *Eragrostis curvula* after different frequencies of defoliation. Proc. Grassld Soc. sth. Afr. 3: 105-110.
- STEINKE, T.D. & NEL, L.O., 1967. The growth of veld in response to defoliation by various means in late winter and spring. Proc. Grassld Soc. sth. Afr. 2: 113-117.
- STENT, S.M. & MELLE, H.A., 1921a. Fodder and pasture grasses of South Africa. 2. Rhodes grass (*Chloris gayana* Kunth) J. Dep. Agric. Un. S. Afr. 3: 136-144.
- STENT, S.M. & MELLE, H.A., 1921b. Fodder and pasture grasses of South Africa. 3. Star grass, *Cynodon plectostachyus*. J. Dep. Agric. Un. S. Afr. 3: 271-276.
- STEVENSON- HAMILTON, J., 1952. South African Eden; from Sabi Game Reserve to Kruger National Park. London: Cassell. pp. 313.
- STEWART, P.G., 1967. St Lucia Game Reserve Park and False Bay Park. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- STEYN, D.G., 1931. Geelsiekte and its detection in the field. JI S. Afr. vet. med. Ass. 2: 23-26.
- STODART, D.M., 1975. Afforestation, catchment protection and water supply demands. S. Afr. For. J. No. 93, pp. 12-20.
- STRANG, R.M., 1973. Bush encroachment and veld management in south-central Africa. The need for a reappraisal. Biol. Conserv. 5,2: 96-104.
- STREY, R.G., 1964. Conservation regarding the preservation of forest and open veld along the coast, especially the St Lucia area. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- STUART, J.S.N., 1920. The effects of storms on certain forests in the Tsoolo District, Cape Province. Bull. Dep. For. Un. S. Afr. No. 2, pp. 7.
- SUTHERLAND, J., 1924. Impressions of South African forestry. Emp. For. J. 3: 39-44.
- SYMONS, L.B. & JONES, R.J., 1971. An analysis of available techniques for estimating production of pastures without clipping. Proc. Grassld Soc. sth. Afr. 6: 185-190.
- TAINTON, N.M., 1963. Burning or mowing - which is more profitable? Fmg S. Afr. 39: 24-25.
- TAINTON, N.M., 1967. Environmental control of flowering in tropical- subtropical grasses. Proc. Grassld Soc. sth. Afr. 4: 49-55.
- TAINTON, N.M., 1968. Environmental control of the growth distribution index of vegetative grass plants. Proc. Grassld Soc. sth. Afr. 3: 151-158.
- TAINTON, N.M., 1972. The relative contribution of overstocking and selective grazing to the degeneration of tall grassveld in Natal. Proc. Grassld Soc. sth. Afr. 7: 39-43.
- TAINTON, N.M. & BOOYSEN, P.DE V., 1963. The effects of management on apical bud development and seeding in *Themeda triandra* and *Tristachya hispida*. S. Afr. J. agric. Sci. 6: 21-30.
- TAINTON, N.M. & BOOYSEN, P.DE V., 1965a. Growth and development in perennial veld grasses. 1. *Themeda triandra* tillers under various systems of defoliation. S. Afr. J. agric. Sci. 8: 93-110.
- TAINTON, N.M. & BOOYSEN, P.DE V., 1965b. Growth and development in perennial veld grasses. 2. *Hyparrhenia hirta* tillers under various systems of defoliation. S. Afr. J. agric. Sci. 8: 745-760.
- TAINTON, N.M., BOOYSEN, P.DE V. & SCOTT, J.D., 1970. Response of tall grassveld to different intensities, seasons and frequencies of clipping. Proc. Grassld Soc. sth. Afr. 5: 32-41.
- TAYLOR, A.J., 1929. Veld management and fertilizing experiments. Fmg S. Afr. 3: 1242.
- TAYLOR, A.J., 1931. Studies in pasture management. A further report on the seasonal composition of certain South African pasture grasses in relation to their manuring and intensity of grazing. S. Afr. J. Sci. 28: 205-206.
- TAYLOR, H.C., 1957. Upsetting nature's balance. Cape Department of Nature Conservation Report No. 14: 61-64.
- TAYLOR, H.C., 1963a. Some thoughts on mountain reserves. South African Outdoor Life No. 2, pp. 19-20 & 36-37.
- TAYLOR, H.C., 1963b. Some thoughts on mountain reserves. Cape Department of Nature Conservation Report No. 19, pp. 31-37.
- TAYLOR, H.C., 1969a. Pest plants and nature conservation in the winter rainfall region. Habitat No. 8, pp. 6-9.
- TAYLOR, H.C., 1969b. Pest plants and nature conservation in the winter rainfall region. J. bot. Soc. S. Afr. 55: 32-38.
- TAYLOR, H.C., 1969c. Pesplante en natuurbewaring. For. S. Afr. No. 10, pp. 41-46.
- TAYLOR, H.C., 1974. Combat and control of *Hakea*. Fruit and Fruit Technology Research Institute. Infomation Bulletin 264: 1-3.
- TAYLOR, M., 1971. Veld conservation is water conservation. Rhod. Sci. News 5,10: 309-311.
- TEALE, G., 1962. Lake St Lucia Game Reserve. Paradise to be lost. Afr. wild Life 16: 271-274.
- TEIXEIRA, J.B., 1968. Parque Nacional do Bicuer Carta da Vegetacao (1a aproximacao) e Memoria Descritiva. Nova Lisboa, Instituto de Investigacao Agronomica de Angola.
- TEIXEIRA, J.B. & CORREA DE PINHO, M.I., 1961. Subsídios para o estudo e caracterizacao das forragens da Reserva Pastoral de Vile Arriaga. Agronomica angol. 13: 3-51.
- TEIXEIRA, J.B., et al., 1967. Parque Nacional da Quicama Carta da Vegetacao e Memoria Descritiva. Nova Lisboa, Instituto de Investigacao Agronomica de Angola.
- THERON, E.P., 1969. Pasture grasses: their management and production on the cane lands of Natal coast. S. Afr. J. Sci. 65: 258-263.
- THERON, E.P. & BOOYSEN, P.DE V., 1966. Palatability in grasses. Proc. Grassld Soc. sth. Afr. 1: 111-120.
- THERON, E.P., LUDORF, R. & JONES, A., 1972. Notes on the value of *Paspalum vaginatum* Sw. as a pasture grass for saline and structureless soils. Proc. Grassld Soc. sth. Afr. 7: 126-129.
- THERON, E.P., VENTER, A.D. & JONES, R.I., 1959. Four-camp system not always solution to problem of selective grazing. Fmg S. Afr. 35,2: 6-10.
- THERON, G.C., 1937. Veld management investigations at the school of Agriculture, Potchefstroom. Bull. Dep. Agric. Un. S. Afr. No. 166, pp. 23.
- THERON, J.J., 1954. Phosphate deficiency in the summer rainfall areas. S. Afr. J. Sci. 50: 212-216.
- THERON, J.J., 1955. The recuperation of soil under grass pastures. In Meredith, D. (ed.), The grasses and pastures of South Africa, pp. 697-711. Johannesburg: Central News Agency.
- THERON, J.J., 1965. The influence of fertilizers on the organic matter content of the soil under natural veld. S. Afr. J. agric. Sci. 8: 525-534.
- THOMAS, P.A., 1974. Some investigations into the biology of *Paulinia acuminata* De Geer with particular reference to the biological control of *Salvinia auriculata*. M.Phil. thesis, University of London.
- THOMAS, P.E.L., 1973. A review of weed research in Rhodesia. Rhodesia agric. J. 70: 138-139.
- THOMAS, P.I., 1969. The effectiveness of mattocking as a method of bush control on Marandellas sandveld. Rhodesia agric. J. 66: 30-31.
- THOMPSON, G.D., GROSSELL, J.M. & DE ROBILLARD, P.J.M., 1967. Responses of sugarcane to supplementary irrigation on two soils in Natal. Expl Agric. 3,3: 50-65.
- THORNTON, R.W., 1908. Bushes of the Karoo and feeding values as compared with cultivated crops. Agric. J. Cape. G.H. 33: 61-65.
- THORRINGTON-SMITH, E., 1960. Towards a plan for the Tugela Basin. Natal Town & Regional Planning Commission Report 5, Pietermaritzburg, pp. 266.
- TIDMARSH, C.E.M., 1947. Veld management in the marginal grassveld areas. Fmg S. Afr. 22: 13-1.
- TIDMARSH, C.E.M., 1948. Conservation problems of the Karoo. Fmg S. Afr. 23: 519-530.
- TIDMARSH, C.E.M., 1951. Veld management studies, Grootfontein College of Agriculture, Middelburg, Cape Province, 1934-50. Prog. Rep. Past. Res. S. Afr. No. 3, pp. 60.
- TIDMARSH, C.E.M., 1952a. Climate and grass. In Veld gold: a South African book of grassland farming, pp. 15-21. Johannesburg: National Veld Trust.
- TIDMARSH, C.E.M., 1952b. Veld management in the Karoo. Fmg S. Afr. 27: 4-22.
- TIDMARSH, C.E.M., 1957. Veld management in the Karoo and adjacent sweet veld regions. In Handbook for farmers in

- South Africa, pp.624-635. Pretoria: Department of Agriculture.
- TIDMARSCH, C.E.M., 1958. The management of Karoo veld. S. Afr. biol. Soc. Pamphlet 20: 46-47.
- TIDMARSH, C.E.M., 1966. Pasture research in South Africa. Proc. Grassld. Soc. sth. Afr. 1: 21-26.
- TIDMARSH, C.E.M., 1968. Bioclimatology with special reference to agriculture. S. Afr. J. Sci. 64: 456-459.
- TIDMARSH, C.E.M. & HAVENGA, C.E., 1955. The wheel-point method of survey and measurement of semi-open grasslands and Karoo vegetation in South Africa. Mem. bot. Surv. S. Afr. No. 29, pp. 49.
- TINLEY, K.L., 1971. Etosha and the Kaokoveld. Afr. wild Life suppl. 25, 1. pp. 16.
- TOOKE, F.G.C., 1930. Insects in relation to prickly pear control. S. Afr. J. nat. Hist. 5: 386-393.
- TRANSKEI, VEGETATION, 1901. Sketch map of the country between the Kei and Umzimkulu Rivers or the Transkeian Territories showing proposed railway routes, main and district roads, trading stations, agricultural zones and forests. Henkel, C.C. Pretoria, Botanical Research Institute.
- TRANSVAAL, OOS-TRANSVAAL HOËVELD, VEGETATION, n.d. Hoëveld Oos-Transvaal. 1:1 500 000. Pretoria, Botanical Research Institute.
- TRANSVAAL, SEKHUKHUNILAND, VEGETATION, 1960. Sketch map of the Vegetation of Sekhukhuniland. 1:250 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- TRANSVAAL, VEGETATION, n.d. National & Provincial Conserved Areas of the Transvaal. 1:1 500 000. Pretoria, Botanical Research Institute.
- TRANSVAAL, WARBATHS, TOWOOMBA PASTURE RESEARCH STATION, VEGETATION, 1942. A map of the veld types occurring on Towoomba Pasture Research Station. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- TRANSVAAL, WESTFALIA ESTATE AND ENVIRONS, VEGETATION, 1967. Map of Westfalia Estate and Environs. 1:40 816. Scheepers, J.C. Pretoria, Botanical Research Institute.
- TRANSVAAL PROVINCIAL ADMINISTRATION, 1956. The Wonderboom Nature Reserve. Fauna Flora, Pretoria 7: 6-139.
- TRAPNELL, C.G. & CLOTHIER, J.N., 1957. The soils, vegetation and agricultural systems of north-western Rhodesia. Lusaka: Government Printer. pp. 81.
- TREICHEL, J., 1959. Etosha Pan - in the largest wildlife reserve. Anim. Kingd. 62: 130-136.
- TROLLOPE, W.S.W., 1974. Pasture management in the Ciskei. For Hare Pap. 6: 41-54.
- TWINCH, J.F., 1954. The integration of conservation practices into systems of stabilised farming in certain high rainfall areas in Natal. M.Sc. thesis, University of the Witwatersrand.
- TWYMAN, E.S., 1958. Plant physiology and crop production. S. Afr. J. Sci. 53: 50-55.
- VAN DER LINGEN, I., PHIPPS, J.B. & TEMPLETON, H.A., 1960. Weed control in irrigation channels. Rhodesia agric. J. 57: 353-358.
- VAN DER LINGEN, M.I., 1972. Conservation of aquatic ecosystems. Rhod. Sci. News 6: 300.
- VAN DER MERWE, A. LE R., BURGER, C.M. & WEHMEYER, A.S., 1966. Suid-Afrikaanse veldkosse: 1. Makatinivlakte, Noord-Natal. Pretoria: National Food Research Institute. pp. 35.
- VAN DER MERWE, F.J., 1959. The nutritive status of natural pastures in the Humansdorp area with special reference to a cobalt deficiency affecting sheep. S. Afr. J. agric. Sci. 2: 141-163.
- VAN DER MERWE, G., 1967. The future of Lake St Lucia. Bokmakierie 19.2: 31-32.
- VAN DER MERWE, N.J., 1964. The history of game preservation in South Africa. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 363-370. The Hague: Junk.
- VAN DER MERWE, P. & VAN DER MERWÉ, D., 1968. Fire in the Swartboschkloof Nature Reserve. Afr. wild Life 22: 147-157.
- VAN DER SCHIJFF, H.P., 1958a. Ekologiese studie van die flora van die Nasionale Krugerwildtuin. D.Sc. thesis, Potchefstroom University for CHE. pp. 434.
- VAN DER SCHIJFF, H.P., 1958b. Inleidende verslag oor veldbrandnavorsing in die Nasionale Krugerwildtuin. Koedoe 1: 60-93.
- VAN DER SCHIJFF, H.P., 1959. Weidingsmoontlikhede en weidingsprobleme in die Nasionale Krugerwildtuin. Koedoe 2: 96-127.
- VAN DER SCHIJFF, H.P., 1962. The vegetation of the Kruger National Park. JI S. Afr. biol. Soc. 3: 21-22.
- VAN DER SCHIJFF, H.P., 1965. Die invloed van termitaria op die plantegroei van die Nasionale Krugerwildtuin. Tydskr. Natuurwet. 5: 48-54.
- VAN DER SCHIJFF, H.P., 1968. Die topografie, geologie en grondsoorte van die Nasionale Krugerwildtuin met verwysing na plantegemeenskappe wat op die verskillende grondsoorte voorkom. Tydskr. Natuurwet. 8: 32-50.
- VAN DER SCHIJFF, H.P., 1969a. Weidingsprobleme en natuurbewaring. Deel 1. Afr. wild Life 23: 25-36.
- VAN DER SCHIJFF, H.P., 1969b. Weidingsprobleme en natuurbewaring. Deel 2. Afr. wild Life 23: 105-128.
- VAN DER SCHIJFF, H.P., 1969c. The affinities of the flora of the Kruger National Park. Kirkia 7: 109-120.
- VAN DER SCHIJFF, H.P., 1974. Inheemse voerbome en struik en natuurbewaring. JI S. Afr. biol. Soc. 15: 30-41.
- VAN DER SPUY, U., 1971a. South African shrubs and trees for the garden. Johannesburg: Hugh Keartland. pp. 215.
- VAN DER SPUY, U., 1971b. Wild flowers of South Africa for the garden. Johannesburg: Hugh Keartland. pp. 287.
- VAN DER ZEL, D.W., 1970. The effect of a thinning on flow in a Jonkershoek stream. For. S. Afr. No. 11, pp. 41-44.
- VAN DER ZEL, D.W., 1974. Catchment research at Zachariashoek. For. S. Afr. No. 15, pp. 23-40.
- VAN DER ZEL, D.W., 1975. Umgeni River catchment analysis. Water S.A. 1.2: 70-75.
- VAN DER ZEL, D.W. & DE VILLIERS, P.C., 1975. A hydro-economic evaluation of forestry in the Eerste River Catchment. For. S. Afr. No. 16, pp. 19-26.
- VAN DER ZEL, D.W. & WICHT, C.L., 1974. Allocation of water to forestry and other users in the catchment of the Eerste River. For. S. Afr. No. 15, pp. 47-56.
- VAN GRAAN, J.F., 1970. Die chemiese beheer van *Pachystigma pygmaeum* (Schltr.) Robyns. M.Sc. thesis, Potchefstroom University for CHE.
- VAN GRAAN, J.F., 1973a. Control of undesirable plant species in natural vegetation: comparison of three herbicides for the control of *Opuntia aurantiaca* (jointed cactus). Agric. Res., Pretoria, pp. 151-152.
- VAN GRAAN, J.F., 1973b. Control of undesirable plant species in natural vegetation: effect of DMSO on effectiveness of herbicides. Agric. Res., Pretoria, pp. 152-153.
- VAN HEERDEN, W., 1968. Conservation is everybody's job. Veldtrust 29.3: 12 & 21.
- VAN LAAR, A., 1963. The aerial photograph in forestry. Part 1. JI S. Afr. For. Ass. No. 47, pp. 23-33.
- VAN LAAR, A., 1964. The aerial photograph in forestry. Part 2. JI S. Afr. For. Ass. No. 48, pp. 4-11.
- VAN LAAR, A., 1970. The angle-count method. S. Afr. For. J. No. 72, pp. 1-6.
- VAN LAAR, A., 1974. Potential use of the aerial photograph in South African forestry. S. Afr. For. J. No. 90, pp. 14-17.
- VAN LAAR, A. & GELDENHUYS, C.J., 1975a. Distribution and correlation patterns in an indigenous forest. S. Afr. For. J. No. 94, pp. 20-25.
- VAN LAAR, A. & GELDENHUYS, C.J., 1975b. Tariff table for indigenous tree species in the southern Cape Province. For. S. Afr. No. 17, pp. 29-36.
- VAN LAAR, A. & LEWARK, S., 1973. Sampling for forest inventories in the indigenous forest in the southern Cape Province. For. S. Afr. No. 14, pp. 35-43.
- VAN LIENDEN, W.G., 1959. Memorandum regarding the drainage and reclamation of a large tract of swamp lands belonging to the Crown, situated near the mouth of the Umfolozi and Umsinduzi Rivers, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- VAN NIEROP, J., 1974. Chirinda Forest. Trees S. Afr. 26: 16-18.

- VAN RENSBURG, H.J., 1941. A contribution to the control of *Stoebe vulgaris* (slangbos). S. Afr. J. Sci. 37: 175-179.
- VAN RENSBURG, H.J., 1971. Range management in Botswana. Botswana Notes and Records 3: 112-130.
- VAN RENSBURG, P.H.J.J., 1971. Grondbewaring en die saai van *Eragrostis curvula* saad op erg vernielde *Themeda-Cymbopogon* veld. Proc. Grassld Soc. sth. Afr. 6: 93-100.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968a. Evaluation of the nutritive value of a *Themeda triandra* pasture in the central Orange Free State. 1. Botanical composition and nutritive value. S. Afr. J. agric. Sci. 11: 113-122.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968b. Evaluation of the nutritive value of a *Themeda triandra* pasture in the Central Orange Free State. 2. Comparison between quadrat and simulated grazing samples. S. Afr. J. agric. Sci. 11: 249-258.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968c. Evaluation of the nutritive value of a *Themeda triandra* pasture in the Central Orange Free State. 3. Grazing samples and selecting ability of cattle. S. Afr. J. agric. Sci. 11: 483-492.
- VAN WYK, J.J.P., 1967. Ekologiese studies in verband met die agteruitgang en rehabilitasie van die grasbedekking in die laer Krokodilriviervallei noordwes van Thabazimbi. S. Afr. med. J. 41: 1248-1253.
- VAN WYK, P., 1972. Veld burning in the Kruger National Park, an interim report of some aspects of research. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 9-31.
- VAN WYK, P. & FAIRALL, N., 1969. The influence of the African elephant on the vegetation of the Kruger National Park. Koedoe 12: 57-89.
- VAN WYK, P. & WAGER, V.A., 1968. Problems of fire in the Kruger Park. Afr. wild Life 22: 269-280.
- VAN ZYL, G.N., 1973. A plan for the St Lucia Lake Estuary. Natal Town & Regional Planning Report No. 27, Pietermaritzburg, pp. 36.
- VAN ZYL, J.H.M., 1965. The vegetation of the S.A. Lombard Reserve and its utilization by certain antelopes. Zool. Afr. 1: 55-71.
- VAN ZYL, L.G., 1957. Voerbome en voerstruik (met notas oor inheemse spesies deur J.C. Bonsma). In Hulpboek vir boere in Suid Afrika. Deel 3, pp. 734-741. Pretoria: Department of Agriculture.
- VAN ZYL, P.H.S., 1974. State Forest wilderness areas. J. Mount. Club S. Afr. 77: 5-15.
- VENN, A.C. & LOXTON, R.F., 1974. Aerial photography, soil surveys and land capability classification for forestry planning in southern Africa. S. Afr. For. J. 90: 18-22.
- VENTER, A.D. & DREWES, R.H., 1968. Veld utilization during winter. Fmg S. Afr. 44:4: 41-43.
- VENTER, A.D. & DREWES, R.H., 1969. A flexible system of veld management. Proc. Grassld Soc. sth. Afr. 4: 104-107.
- VERBEECK, W.A., 1971. The need to safeguard and extend the pasture resources for animal production in South Africa. Proc. Grassld Soc. sth. Afr. 6: 12-15.
- VERBOOM, W.C., 1966. *Brachiaria dura*, a promising new forage grass. J. Range Mgmt 19: 19-23.
- VERBOOM, W.C. & BRUNT, M.A., 1970. An ecological survey of Western Province, Zambia, with special reference to the fodder resources. 1. The environment. 2. The grasslands and their development. Land Resource Study No. 8, Land Resources Division, Directorate of Overseas Surveys, Tolworth.
- VERSCHUUR, T.B., 1955. The Percy Fyfe Nature Reserve. Fauna Flora, Pretoria 6: 69-77.
- VINCENT, F.D.A., 1883. Timber trees at the Cape. Indian Forester 9: 24-25.
- VINCENT, V. & THOMAS, R.G., 1962. An agricultural survey of Southern Rhodesia. Part 1. Agro-ecological survey. Salisbury: Federal Department of Printing & Stationery. pp. 124.
- VISSER, J.H., 1966. Bemesting van die veld. Proc. Grassld Soc. sth. Afr. 1: 41-48.
- VLOK, J.J.A.L., 1963. The feed value of natural grazing in the border areas between the winter and summer rainfall regions in the district of Calvinia. M.Sc. (Agric.) thesis, University of Stellenbosch.
- VOLK, O.H., 1970. Botanische Grundlagen der Karakulhaltung in Südwestafrika. JI S.W. Africa scient. Soc. 24: 59-98.
- VOLK, O.H., 1974. Gräser des Farmgebietes von Südwestafrika. Windhoek: S.W.A. Wissenschaftlichen Gesellschaft. pp. 61.
- VON BERG, D.A., 1966. Fertilization of vici pastures. Fmg S. Afr. 42:8: 37,39 & 41.
- VON BERG, D.A., 1970. Measuring the productive capacity of pastures ... a biological method. Fmg S. Afr. 46:2: 81-84.
- VON BREITENBACH, F., 1966. Fifty trees of the Cape midlands indigenous forests. Pretoria: Government Printer.
- VON BREITENBACH, F., 1968. Southern Cape indigenous forest management manual. 4 vols. George: Department of Forestry. pp. 189, 149, 42 & 106.
- VON BROEMSEN, H.H., 1952. Photography as a means of recording vegetation changes in pastures. S. Afr. J. Sci. 48: 235-240.
- VON BROEMSEN, H.H., 1966. The logarithmic series applied to point samples drawn from natural pastures. Int. Grassld Congr. 10: 913-916.
- VON DEM BUSSCHE, G.H., 1974. Conservation management of the indigenous forest in the Southern Cape Forest region. S. Afr. J. Sci. 70: 49-50.
- VON DEM BUSSCHE, G.H., 1975. Indigenous forest conservation management. S. Afr. For. J. No. 93, pp. 25-31.
- VON GODOW, K., 1973. Observations on the utilization of indigenous trees by the Kynsna elephants. For. S. Afr. No. 14, pp. 14-17.
- VON RICHTER, W., 1974. Survey of the adequacy of existing conserved areas in relation to wild animal species. Koedoe 17: 39-69.
- VORSTER, L.F., 1963. Beinestingsstudies in verband met *Eragrostis curvula* (Schrad) Nees Emelotipe. M.Sc. (Agric.) thesis, University of Pretoria.
- VORSTER, L.F. & MOSTERT, J.W.C., 1968. Veld fertilization trends over a decade in the central Orange Free State. Proc. Grassld Soc. sth. Afr. 3: 111-119.
- VORSTER, P.W., 1943. Introduced grasses for the winter rainfall area. Fmg S. Afr. 18: 169-175.
- VOWINCKEL, E., 1961. Potential growth areas for introduced tree species. For. S. Afr. 1: 91-104.
- WAGER, V.A., 1973. Early days at St Lucia. Natal Wildlife 14:2: 11-13.
- WALKER, B.H., 1974. Ecological considerations in the management of semi-arid ecosystems in South-Central Africa. In Proceedings of the 1st international congress on ecology, pp. 124-129.
- WALTER, H., 1939. Ökologische Untersuchungen in Deutsch-Südwestafrika und ihre Bedeutung für die Landwirtschaft. Ber. dt. bot. Ges. 57: 53-77.
- WALTER, H., 1940. Der Nährwert südwest-afrikanischer Futterpflanzen. Tropenpflanzer 43: 141-153.
- WALTER, H., 1941a. Die Landwirtschaft in Deutsch-Südwestafrika. Berlin: Paul Parey. pp. 325.
- WALTER, H., 1941b. Die natürliche weide in Deutsch-Südwestafrika als ernährungsgrundlage für das Vieh. Dt. tierärztl. wscrh. koltierärztl. suppl. 49: 394-396.
- WALTER, H. & VOLK, O.H., 1954. Grundlagen der Weidewirtschaft in Südwestafrika und bestimmungsschuss I für die südwestafrikanischen Graskulturen. Stuttgart: Ulmer. pp. 281.
- WARD, C.J., 1962. Report on scrub control, Hluhluwe Game Reserve. Lammergeyer 2: 57-62.
- WARD, C.J., 1975. Mapelane-Cape St Lucia Dune System. Comments on proposed mining operations. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- WARD, H.K. & CLEGHORN, W.B., 1964. The effects of ring-barking trees in *Brachystegia* woodland on the yield of veld grasses. Rhodesia agric. J. 61: 98-105 & 107.
- WARD, H.K. & CLEGHORN, W.B., 1970. The effects of grazing practices on tree regrowth after clearing indigenous woodland. Rhod. J. agric. Res. 8: 57-65.
- WATT, W.E., 1947. The conservation of existing forests and the need to plant forest trees for effective soil conservation in the Union of South Africa. JI S. Afr. For. Ass. No. 15, pp. 8-10.
- WEBB, B.E., 1963. Utilization of Miombo species in Northern Rhodesia. CSA/CCTA Publs No. 52, pp. 65-67.

- WEINMANN, H., 1938. The effect of fertiliser treatment on Transvaal highveld. S. Afr. J. Sci. 35: 246-249.
- WEINMANN, H., 1943a. Yields and chemical composition of pasture herbage as influenced by fertilizing and frequent clipping. S. Afr. J. Sci. 40: 127-134.
- WEINMANN, H., 1943b. Effects of defoliation intensity and fertilizer treatment on Transvaal highveld. Emp. J. exp. Agric. 11: 113-124.
- WEINMANN, H., 1944. Root reserves of South African highveld grasses in relation to fertilizing and frequency of clipping. J. S. Afr. Bot. 10: 37-54.
- WEINMANN, H., 1948a. Effects of grazing intensity and fertilizer treatment on Transvaal highveld. Emp. J. exp. Agric. 16: 111-118.
- WEINMANN, H., 1948b. Investigations on the underground reserves of South African grasses. S. Afr. J. Sci. 2: 12-15.
- WEINMANN, H., 1949. Productivity of Marandellas sandveld pasture in relation to frequency of cutting. Rhodesia agric. J. 46: 175-189.
- WEINMANN, H., 1950. Productivity and nutritive value of star grass pastures. S. Afr. J. Sci. 47: 143-144.
- WELLS, M.J., 1973. The effect of the wagon building industry on the Amatola Forests. Bothalia 11: 153-157.
- WENT, O., 1937. An investigation of the methods of botanical analysis of pasture. S. Afr. J. Sci. 33: 501-559.
- WEST, O., 1938a. Preliminary report of an investigation of the possibilities of commercial exotic clovers and grasses on the Pasture Research Stations and on the sources of seed supply. Past. Res. S. Afr. No. 1, pp. 87-88.
- WEST, O., 1938b. The significance of percentage area determinations yielded by the percentage area or density list method of pasture analysis. J. Ecol. 26: 210-217.
- WEST, O., 1938c. A statistical investigation of the accuracy of the method of clipped quadrat productivity sampling in use at the Rietondale Pasture Research Station, Pretoria. Past. Res. S. Afr. No. 1, pp. 88-96.
- WEST, O., 1950. Indigenous tree crops for Southern Rhodesia. Rhodesia agric. J. 47: 204-217.
- WEST, O., 1953a. A new approach to the grass legume pastures in summer rainfall Africa. S. Afr. J. Sci. 50: 122.
- WEST, O., 1953b. Improvements in the technique and design of veld management experiments. S. Afr. J. Sci. 50: 222-226.
- WEST, O., 1955. Veld management in the dry summer-rainfall bushveld. In Meredith, D.(ed.), Grasses and pastures of South Africa, pp. 624-636. Johannesburg: Central News Agency.
- WEST, O., 1956. Pasture improvement in the higher rainfall regions of Southern Rhodesia. Rhodesia agric. J. 53: 439-451.
- WEST, O., 1958. Bush encroachment, veld burning and grazing management. Rhodesia agric. J. 55: 407-425.
- WEST, O., 1962. Factors affecting the carrying capacity of veld grazing. Proceedings of the 1st inter-departmental conference of pasture workers, 1962, Bulawayo, pp. 6-22.
- WEST, O., 1965. Fire in vegetation and its use in pasture management with special reference to tropical and subtropical Africa. Hurley, Berkshire: Commonwealth Bureau of Pastures and Field Crops. pp. 53.
- WEST, O., 1967. The vegetation of Southern Matabeleland. A study of the reasons for its present degradation and possible means of rehabilitation. In Proceedings of the 1st Rhodesian science congress, Bulawayo.
- WEST, O., 1968. The possibility of using irrigated pastures for rehabilitation of denuded grazing areas in the Rhodesian Lowveld. Proc. Grassld Soc. sth. Afr. 3: 95-99.
- WEST, O., 1969. Fire, its effect on the ecology of vegetation in Rhodesia and its application in grazing management. Rhod. Sci. News. 3,11: 321-326.
- WEST, O. & RATTRAY, J.M., 1947 Research programme on veld and pasture management in Southern Rhodesia. Advances in grassland husbandry and fodder production. Bull. Commonw. Bur. Past. Fld Crops. 38: 1-10.
- WESTVELD, R.H. & PECU, D.H., 1952. Forestry in farm management. S. Afr. J. Sci. 48: 411.
- WHITE, F., 1971. The taxonomic and ecological basis of chorology. Mitt. bot. StSamml., Münch. 10: 91-112.
- WHITMORE, J.S., 1948. Agro-climatology: the scope of its application to South African agriculture. Fmg S. Afr. 23: 293-302.
- WHITMORE, J.S., 1950a. Marginal areas of the Orange Free State. Part 2. Climate and crop production. Fmg S. Afr. 25: 47-52 & 57.
- WHITMORE, J.S., 1950b. The marginal areas of the Orange Free State. Part 3. Climate and the use of the land. Fmg S. Afr. 25: 85-89.
- WHITMORE, J.S., MARAIS, J.M. & TURPIN, H.W., 1953. Weeds: major menace to crop production. Fmg S. Afr. 28: 293.
- WHYTE, R.O. & SISAM, J.W.B., 1949. The establishment of vegetation on industrial waste lands. Commonw. Agric. Bur. J1 14: 20-25.
- WICHT, C.L., 1939. Forest influences research technique at Jonkershoek. J1 S. Afr. For. Ass. No. 3, pp. 65-80.
- WICHT, C.L., 1941. An approach to the study of rainfall interception by forest canopies. J1 S. Afr. For. Ass. No. 6, pp. 54-70.
- WICHT, C.L., 1945. Preservation of the vegetation of the South Western Cape. Special publication R. Soc. S. Afr. pp. 56.
- WICHT, C.L., 1949. Forestry and water supplies in South Africa. Bull. Dep. For. Un. S. Afr. No. 33, pp. 58.
- WICHT, C.L., 1966. Trends in forest hydrological research. S. Afr. For. J. No. 57, pp. 17-25.
- WICHT, C.L., 1967. The management of mountain catchments by forestry. S. Afr. For. J. No. 77, pp. 6-12.
- WICHT, C.L., 1971a. The influence of vegetation in South African mountain catchments on water supplies. S. Afr. J. Sci. 67: 201-209.
- WICHT, C.L., 1971b. The task of forestry in the mountains of the western and southern Cape Province. Proc. Grassld Soc. sth. Afr. 6: 20-27.
- WICHT, C.L., 1974. Timber and water. S. Afr. For. J. No. 85, pp. 3-11.
- WICHT, C.L. & BANKS, C.H., 1963. Die invloed van beheerde brand en bebossing op die wateropbrengs van bergopvanggebiede in die Winterreestreek. South African Geographer 2: 23-29.
- WICHT, C.L. & KRUGER, F.J., 1973. Die ontwikkeling van bergveldbestuur in Suid-Afrika. S. Afr. For. J. No. 86, pp. 1-17.
- WICHT, H., 1962. Palms for gardens in Southern Africa. Cape Town: Howard Timmins.
- WICHT, M.L., 1963. Where the Tzitzikama meets the ocean. Veldtrust 24,1: 21, 23 & 27.
- WICHT, M.L., 1968. The Tzitzikama forest. Afr. wild Life 22: 231-239.
- WICHT, M.L., 1969. The reclamation of shifting dunes. Afr. wild Life 23: 229-234.
- WILD, H., 1974. Arsenic tolerant species established on arsenical mine dumps in Rhodesia. Kirkia 9: 265-278.
- WILD, H. & MITCHELL, D.S., 1970. Der einfluss von Bayluscid auf den wasserfarn *Salvinia auriculata* und andere wasserpflanzen. Hofchenbr. Bayer Pflschutz-Nachr. 23: 112-117.
- WILD, H. & WILTSHIRE, G.H., 1971. The problem of vegetating Rhodesian mine dumps examined. Rhodesian Chamber of Mines Journal 12: 11, 13 & 26-30.
- WILLIAMS, R.K., 1970. Water pollution: causes and effects. Rhod. Sci. News 4: 285-287.
- WILLIAMSON, D.T. & GILBERTSON, B., 1973a. Applications of ERTS imagery in estimating the environmental impact of a freeway through the Knysna area of South Africa. Third earth resources technology satellite-1 symposium technical presentations 1B, pp. 1559-1568.
- WILLIAMSON, D.T. & GILBERTSON, B., 1973b. ERTS imagery as a source of environmental information for southern Africa. Third earth resources technology satellite-1 symposium technical presentations 1B: 1569-1574.
- WILSON, J.H., 1968. Bush control using Tordon 22k. Rhodesia agric. J. 65: 77-78.
- WILSON, J.H., 1969. Bush control by basal injection of Tordon 22k. Rhod. Zambia Malawi J. agric. Res. 5: 93-94.
- WILTSHIRE, G.H., 1972. Effect of nitrogen source on translocation of nickel in some crop plants and weeds. Kirkia 8: 103-123.
- WOODS, A.A.G., 1963. Operation wildflower. S. Afr. J. Sci. 59: 502.
- WYNDHAM, C.H., 1972. Environmental problems of man in

- South Africa. In Biological research and problems of the environment symposium, 2-10 July 1972, Johannesburg.
- YOUNG, A. & BROWN, P., 1965. The physical environment of central Malawi with special reference to soils and agriculture. Zomba: Government Printer.
- YOUNG, E., 1970. Water as 'n faktor in die ekologie van wild in die Nasionale Krugerwildtuin. D.Sc. thesis, University of Pretoria.
- ZIMBABWE, MALAWI, VEGETATION, 1960. Vegetation map of the Federation of Rhodesia and Nyasaland. 1:250 000. Rattray, J.M. & Wild, H. Salisbury: Director of Federal Surveys, Rhodesia and Nyasaland.
- ZIMBABWE, VEGETATION, 1930. Provisional Map of Vegetation Types in Southern Rhodesia. Henkel, J.S. Salisbury: Surveyor General's Office.

## AUTECOLOGY

- ACOCKS, J.P.H., 1938. Vermeerbos: Suggested experiments. Koopmansfontein Agricultural Research Station (unpublished).
- ACOCKS, J.P.H., 1971. The distribution of certain ecologically important grasses in South Africa. Mitt. bot. StSamml., Münch. 10: 149-160.
- ADAM, J.G., 1962. Le Baobab (*Adansonia digitata* L.). Notes afr. 94: 33-44.
- ADAMSON, R.S., 1931. The plant communities of Table Mountain. 2. Life-form, dominance and succession. J. Ecol. 19: 304-320.
- ADAMSON, R.S., 1939. The classification of life forms of plants Bot. Rev. 5: 546-561.
- AITKEN, R.D., 1922. The water relations of the pine (*Pinus pinaster*) and the silver tree (*Leucadendron argenteum*). Trans. R. Soc. S. Afr. 10: 5-19.
- AITKEN, R.D., 1923. The distribution and ecology of the genus *Cussonia* Thunb. with some remarks upon its probable evolutionary history. Mem. bot. Surv. S. Afr. No. 5, pp. 56-70.
- AITKEN, R.D., 1924. The water relations of some Natal plants. D.Sc. thesis, University of South Africa.
- ALEXANDER, R., 1926. *Lasiosiphon anthyllioides* as a poisonous plant. Rep. vet. Res. Un. S. Afr. 13-14, pp. 233-240.
- ALLANSON, B.R. & HART, R.C., 1975. The primary production of Lake Sibaya, KwaZulu, South Africa. Verh. int. Verein. theor. angew. Limnol. 19: 1426-1433.
- ALLSOP, R.J., 1945. Notes on the ecology of associated grassland plants of Pietermaritzburg, South Africa. M.Sc. thesis, University of South Africa.
- ALTONA, R.E., 1940. Growth rhythm - a growth study of six highveld grasses in relation to certain environmental factors. M.Sc. thesis, University of the Witwatersrand.
- ALTONA, R.E., 1950. A preliminary report on the control of weeds in maize with Methoxone 2,4-D. S. Afr. J. Sci. 46: 295-296.
- ANDERSON, E.A., 1930. A general study of the behaviour of stomata. M.Sc. thesis, University of South Africa.
- ANDERSON, J.G., 1966. The genus *Andropogon* in Southern Africa. Bothalia 9: 5-30.
- ANDERSON, T., 1864a. Enumeration of the species of Acanthaceae from Africa. J. Linn. Soc. (Bot.) 7: 13-54.
- ANDERSON, T., 1864b. On a presumed case of parthenogenesis in a species of *Aberia* (*A. caffra* Hook. f.). J. Linn. Soc. (Bot.) 7: 67-68.
- ANDREWS, W.H., 1924. The so-called "staggers" or pushing disease of cattle in Natal: an intoxication due to the ingestion of *Matricaria nigellifolia* DC. Rep. vet. Res. Un. S. Afr. 9-10, pp. 121-229.
- ANON., 1898. Cape sumach (*Colpoon compressum* Berg.). Kew Bull. 1898: 18-21.
- ANON., 1904. Foreign grasses in Natal. Natal agric. J. 7: 46-49.
- ANON., 1911. Economic notes on Transvaal grasses. Kew Bull. 1911: 158-161.
- ANON., 1916. South African drugs and poisonous plants. Bull. imp. Inst. Lond. 14: 27-37.
- ANON., 1946. Basutoland grasses. Ann. Rep. Dept Agric. Basutoland, pp. 28.
- ANON., 1966. Rooigras. Veldtrust 27.4: 10-11 & 13.
- ARCHIBALD, C.G.M., 1966. Some new and interesting Cyanophytes from the Kowie River system in the eastern Cape Province. (S. Africa). Nova Hedwigia 12: 529-538.
- ARCHIBALD, E.E.A., 1936. An anatomical investigation of Jointed Cactus (*Opuntia aurantiaca* Lindley) with germination tests, and observations on the movement of stomata. M.Sc. thesis, University of South Africa. pp. 85.
- ARCHIBALD, E.E.A., 1939. The development of ovule seed of Jointed Cactus (*Opuntia aurantiaca* Lindley). S. Afr. J. Sci. 36: 195-211.
- ARCHIBALD, R.E.M., 1969. Studies on the ecology and systematics of the diatoms (Bacillariophyta) from some South African rivers. M.Sc. thesis, Rhodes University.
- ARCHIBALD, R.E.M., 1972. Diversity in some South African diatom associations and its relation to water quality. Wat. Res. 6: 1229-1248.
- ARZT, T., 1936. Die Kutikula einiger afrikanischer Mangrove-Pflanzen. Ber. dt. bot. Ges. 54: 247-260.
- AUBREVILLE, A., 1971. Essai sur la Geophylectique et l'ecophyletisme des Manilkarees. Adansonia ser. 2.11: 251-265.
- BADENHUIZEN, N.P. & SLINGER, J., 1953. Detection of monofluoroacetic acid in Gifblaar, *Dichapetalum cymosum* (Hook.) Engl. S. Afr. J. Sci. 50: 269-270.
- BAGSHAW-SMITH, L., 1937. Renoster bush in the district of Albany. S. Afr. J. Sci. 33: 355.
- BAINBRIDGE, W.R., 1965. Distribution of seed in elephant dung (*Acacia*, *Ricinodendron*, *Baikiaea*, *Hyphaene*). Puku 3: 173-175.
- BALL, R.S., 1940. South African grassland investigations. E. Afr. agric. J. 5: 146-151 & 221-224.
- BANKS, C.H. & KROMHOUT, C.P., 1966. Notes on the timber of *Burkea africana* with particular reference to material from South West Africa. For. S. Afr. No. 7, pp. 17-29.
- BARENBURG, T.H., 1935. Veld improvement. Seed production. Seed testing. S. Afr. J. Sci. 32: 257-267.
- BARNARD, J.L., 1975. Biological nutrient removal without the addition of chemicals. Wat. Res. 9: 485-490.
- BARNARD, P.J., 1964. 'n Ekologiese studie van *Setaria neglecta* De Wit. M.Sc. (Agric.) thesis, University of Pretoria.
- BARNES, C.J.W., 1947. Some trees, shrubs, shrubby herbaceous plants, climbers and water plants. Northern Rhodesia: Government Printer.
- BARTON, E.S., 1893. A provisional list of the marine algae of the Cape of Good Hope. J. Bot., Lond. 31: 53-56, 81-84, 110-114, 138-144, 171-177 & 202-210.
- BATE, G.C. & HEELAS, B.V., 1975. Studies on the nitrate nutrition of two indigenous Rhodesian grasses. J. appl. Ecol. 12: 941-952.
- BAYER, A.W., 1922. Some growth form statistics for the genus *Euphorbia*. M.Sc. thesis, University of South Africa.
- BAYER, A.W., 1941. A field method for the transpiration rate of grasses. Ann. Natal Mus. 9: 381-390.
- BAYER, A.W., 1943. The thornveld tree: a note on plant adaptation. S. Afr. J. Sci. 39: 44-55.
- BAYER, A.W., 1955. The ecology of grasslands. In Meredith, D. (ed.), The grasses and pastures of South Africa, pp. 539-550. Johannesburg: Central News Agency.
- BEARD, J.S., 1958. The *Protea* species of the summer rainfall area of South Africa. Bothalia 7: 41-65.
- BERNSTEIN, S., 1949. Work done on the germination of various Highveld and Bushveld grasses. B.Sc. (Soil Conservation) report, University of the Witwatersrand.
- BEWS, J.W., 1917. The growth-forms of Natal plants. Trans. R. Soc. S. Afr. 5: 605-636.
- BEWS, J.W., 1918. The grasses and grasslands of South Africa. Pietermaritzburg: Davis. pp. 161.
- BEWS, J.W., 1922. The south-east African flora: its origin, migrations and evolutionary tendencies. Ann. Bot. 36: 209-223.
- BEWS, J.W., 1923. Notes on the evolution of plant growth forms. S. Afr. J. Sci. 20: 290-303.
- BEWS, J.W., 1925. Plant forms and their evolution in South Africa. London: Longmans. pp. 408.
- BEWS, J.W., 1929. The world's grasses. Their differentiation, distribution, economics and ecology. London: Longmans. pp. 408.

- BEWS, J.W. & BAYER, A.W., 1931. Researches on the vegetation of Natal. Series III. S. Afr. J. Sci. 28: 158-179.
- BEZUIDENHOUT, S.J.P.K., 1962. Die verband tussen sekere grondfaktore en die groei, ontwikkeling en spoorelementgehalte van twee mesofitiese grassoorte. M.Sc. thesis, Potchefstroom University for CHE.
- BIEGEL, H.M. & MAVI, S., 1972. A Rhodesian botanical dictionary of African and English plant names. Revised and enlarged 2nd edn. Salisbury: Government Printer.
- BLACK, E.M., 1939. A study of the vegetative anatomy of *Ziziphus zeyheriana*. University of the Witwatersrand.
- BLAGRAVE, T.C., 1860. South African ferns. (Hand written manuscript.) Botanical Research Institute Library, Pretoria.
- BOLUS, F. & BOLUS, L., 1917. Native trees and tree-shrubs of Kirstenbosch. JI bot. Soc. S. Afr. 3: 12-22.
- BOLUS, F., BOLUS, H.M.L. & GLOVER, R., 1915. Flowering plants and ferns collected on the Great Karasberg by the Percy Sladen Memorial Expedition 1912-1913. Ann. Bolus Herb. 1: 9-19, 72-75 & 97-114.
- BOLUS, H., 1918. The orchids of the Cape Peninsula. 2nd edn. Cape Town: Darter. pp. 142.
- BOLUS, H., GUTHRIE, F. & BROWN, N.E., 1906. Ericaceae. Flora Capensis 4,1: 2-418.
- BOLUS, H.M.L., 1923. Novitates africanae. Ann. Bolus Herb. 3: 1-14, 70-85, 123-146 & 159-184.
- BOLUS, H.M.L., 1928. Novitates africanae. Ann. Bolus Herb. 4: 1-30, 37-55, 69-119 & 123-137.
- BOND, G., 1971. Fixation of nitrogen in two African species of *Myrica*. New Phytol. 70,1: 1-8.
- BONSMAN, J.C. & GALPIN, E.A., 1952a. Know your farm by its trees. Farmer's Weekly, Bloemfontein, 13 Feb., pp. 14-17.
- BONSMAN, J.C. & GALPIN, E.A., 1952b. King of South African trees. Farmer's Weekly, Bloemfontein, 12 Mar., pp. 14-17.
- BORNMAN, C.H., 1971. *Welwitschia* rediscovered. Lantern 20,3: 2-9.
- BORNMAN, C.H., 1972. *Welwitschia mirabilis*: paradox of the Namib Desert. Endeavour 31,113: 95-99.
- BORNMAN, C.H., 1975. Studies in plant morphogenesis. D.Sc. thesis, University of Natal.
- BORNMAN, C.H., BOTHA, C.E.J. & NASH, L.J., 1973. *Welwitschia mirabilis*: observations on movement of water and assimilates under fohn and fog conditions. Madoqua, ser. II, 2: 25-31.
- BORNMAN, C.H., ELSWORTHY, J.A., BUTLER, V. & BOTHA, C.E.J., 1972. *Welwitschia mirabilis*: observations on general habitat, seed, seedling and leaf characteristics. Madoqua, ser. II, 1: 53-66.
- BOSS, G., 1934. Die giftpflanzen Sudwestafrikas. Kalkfeld: Sudwest-Personier-Verkaufs-Gesellschaft, pp. 35.
- BOSS, G., 1937. Poikilohydre pflanzen in Sudwest afrika. S. Afr. J. Sci. 34: 291-302.
- BOTHA, J.P., 1953. Veldbeheerstudies op die Suurveld van Oos-Transvaal. D.Sc. (Agric.) thesis, University of Pretoria. pp. 375.
- BOUGHEY, A.S., 1965. Toxin secretion by savanna grasses. In Abstracts of papers for presentation at the Riverside meetings with the Pacific Division, 21-24 June 1965. Bull. ecol. Soc. Am. 46,2: 44-45.
- BOURREIL, P., 1970. Reflexions sur l'ecologie, la morphogenese et l'evolution, fondees sur a culture d'*Aristida rhiniochloa*, Graminee Tropicale Africaine. Adansonia ser. 2 10,3: 409-427.
- BRAIN, C.K., 1939. Trees and wild flowers of the Rhodesian farm. Rhodesia agric. J. 36: 502-504.
- BRAIN, C.K., 1951. The interrelationship of soil, water and vegetation. Farmer's Weekly, Durban, 3 Oct. pp. 12-15.
- BREEN, C.M., 1973. Ecological implications of recent research on the genus *Volvox*. News Lett. Limnol. Soc. sth. Afr. No. 20, pp. 23-27.
- BREEN, C.M. & HILL, B.J., 1969. A mass mortality of mangroves in Kosi Estuary. Trans. R. Soc. S. Afr. 38: 285-303.
- BREMEKAMP, C.E.B., 1924. Evolution - the botanical aspect. S. Afr. J. nat. Hist. 6: 98-100.
- BREMEKAMP, C.E.B., 1926. On the opening mechanism of the Acanthaceae fruit. S. Afr. J. Sci. 23: 488-491.
- BREMEKAMP, C.E.B., 1932. Merkwürdige sukkulententypen aus dem nordlichen Transvaal. Vegetationsbilder 23: 13-18.
- BRETT, P.G.C., 1938. The assimilation and respiration rates of some Natal grasses. M.Sc. thesis, University of South Africa.
- BRETT, P.G.C., 1942. The assimilation and respiration rates of some Natal grasses. S. Afr. J. Sci. 38: 158-171.
- BROOMBERG, B., 1973. Trees of the Gwaai Valley. Trees S. Afr. 25: 43-47.
- BROWN, H.D. 1963. The Namib - a living desert. JI S. Afr. biol. Soc. 4: 35-40.
- BROWN, J.C., 1875. Hydrology of South Africa. London: Henry S. King.
- BROWN, J.C., 1877a. Forest and moisture: on effects of forests on humidity of climate. Edinburgh: Oliver & Boyd.
- BROWN, J.C., 1877b. Water supply of South Africa. Edinburgh: Oliver & Boyd.
- BROWN, N.A.C., 1965. A study of seed coat impermeability, seed germination and seedling growth in certain *Acacia* spp. M.Sc. (Agric.) thesis, University of Natal.
- BROWN, N.A.C. & BOOYSEN, P. DE V., 1967. Seed germination and seedling growth of two *Acacia* species under field conditions in grassveld. S. Afr. J. agric. Sci. 10: 659-666.
- BROWN, N.A.C. & VAN STADEN, J., 1973. The effect of scarification, leaching, light, stratification, oxygen and applied hormones on germination of *Protea compacta* R.Br. and *Leucadendron daphnioides* Meisn. JI S. Afr. Bot. 39: 185-195.
- BROWN, W.V., 1958. Apomixis as related to geographical distribution in the panicoid grass tribes. JI S. Afr. Bot. 24: 191-200.
- BROWNLEE, A.T.T., 1937. Some investigations into the water relations of *Digitaria seriata* Stapf. M.Sc. thesis, University of the Witwatersrand.
- BRUECKNER, A.E., 1943. Transpiration studies on some Natal midlands thornveld trees. 2 vols. M.Sc. thesis, University of South Africa.
- BRUECKNER, A.E. 1945. Transpiration studies of some Natal midlands thornveld trees. S. Afr. J. Sci. 41: 186-193.
- BRUNNTHALER, J., 1911. Vegetationsbilder aus Sudafrika (Karroo und Dornbusch). Vegetationsbilder 9: 19-30.
- BRUNNTHALER, J., 1913. Ergebnisse einer botanischen Forschungsreise nach Deutsch-ostafrika und Sudafrika (Kapland, Natal und Rhodesien). I. Denkschr. Akad. Wiss., Wien 88: 711-743.
- BRUTON, M.N. & APPLETON, C.C., 1975. Survey of Mgobezeleni Lake system in Zululand, with a note on the effect of a bridge on the mangrove swamp. Trans. R. Soc. S. Afr. 41,3: 283-294.
- BRYANT, N.R., 1943. A survey of Dodder (*Cuscuta*) in South Africa with particular reference to the Eastern Province. M.Sc. thesis, Rhodes University. pp. 58.
- BRYNARD, A.M., 1954. 'n Fisiologies-ekologiese studie van *Senecio retrorsus* DC. met spesiale verwysing na die *Senecio*-probleem in Oos-Kaapland. M.Sc. thesis, Potchefstroom University for CHE.
- BULLOCK, A.A., 1952. South African poisonous plants. Kew Bull. pp. 117-129.
- BUNTING, A.H., 1938. 1. The effect of combined clipping and chemical treatments on the root reserves and development of some Highveld grasses. 2. Studies in the germination of the seeds of Rhodes grass, *Chloris gayana*. M.Sc. thesis, University of Witwatersrand.
- BURGER, S.J., 1974. Ontkieming-, voeding- en ontblaringstudies op *Antheophora pubescens* Nees. M.Sc. (Agric.) thesis, University of Pretoria.
- BURTT DAVY, J., 1905. Notes on the native flora and crops of the eastern Transvaal. Transv. agric. J. 4: 141-147.
- BURTT DAVY, J., 1907. Native trees of the Transvaal. Transv. agric. J. 5: 413-433.
- BURTT DAVY, J., 1908. Notes on some Transvaal trees and shrubs. Bull. misc. Inf. R. bot. Gdns Kew 4: 145-175.
- BURTT DAVY, J., 1917. Proposal for an organized botanical survey of South Africa. Rep. S. Afr. Ass. Advmt Sci. 15: 64-82.
- BURTT DAVY, J., 1922a. The distribution and origin of *Salix* in South Africa. J. Ecol. 10: 62-86.
- BURTT DAVY, J., 1922b. The suffrutescent habit as an adaptation to environment. J. Ecol. 10: 211-219.

- BURTT DAVY, J., 1923. The geographical distribution of some Transvaal Leguminosae. Proc. Linn. Soc. Lond 135: 66-68.
- BURTT DAVY, J., 1930a. Botanical notes on Empire trees. 1. Emp. For. J. 9: 116-124.
- BURTT DAVY, J., 1930b. Botanical notes on Empire trees. 2. Emp. For. J. 9: 267-271.
- BURTT DAVY, J., 1931. Botanical notes on Empire trees. 3. Emp. For. J. 10: 106-112.
- BURTT DAVY, J., HOYLE, A.C. (eds) & TOPHAM, P., 1958. Check-list of the forest trees and shrubs of the Nyasaland Protectorate. Zomba: Government Printer. pp. 137.
- BUTLER, V., BORNMAN, C.H. & EVERT, R.F., 1973. *Welwitschia mirabilis*: morphology of the seedling. Bot. Gaz. 134: 52-57.
- CALVERT, G.M., 1963. Some notes on *Baikiaea plurijuga* regeneration. For. Newsl. Nth. Rhod. 93: 9-12.
- CARR, J.D., 1973. In search of *Acacia montis-usii*. Trees S. Afr. 25: 2-10.
- CARR, J.D., 1974. To South West Africa in search of Acacias. Trees S. Afr. 25.4: 86-96.
- CASIMIRO, J.F. & SANTOS OLIVIERA, J., 1969. Contribucão para o estudo da ecologia de algumas essências florestais de Mocimbeque (a parte). Revista de Ciencias Agronomicas Serie B. 2.2: 103-127.
- CASIMIRO, J.F., 1967. A new indirect determination of permanent wilting percentage. S. Afr. J. Sci. 63: 11-15.
- CHAPMAN, J.D., 1957. The indigenous conifers of Nyasaland. Malawi: Department of Forestry. pp. 10.
- CHAPMAN, J.D., 1961. Some notes on the taxonomy, distribution, ecology and economic importance of *Widdringtonia* with particular reference to *W. whytei*. Kirkia 1: 138-154.
- CHAPMAN, V.J., 1954. The halophyte vegetation of the world. Int. Bot. Congr. 8, Sect. 7, pp. 24-30.
- CHAPMAN, V.J., 1970. Mangrove phytosociology. Bull. int. Soc. trop. Ecol. 11: 1-19.
- CHILD, G.F., 1960. Brief notes on the ecology of the resurrection plant (*Myrothamnus flabellifolia*) with mention of its water-absorbing abilities. J. S. Afr. Bot. 26: 1-8.
- CHIPPINDALL, L.K.A., 1946. The common names of grasses in South Africa. Bull. Dep. Agric. Un. S. Afr. No. 265, pp. 91.
- CHIPPINDALL, L.K.A., 1955. A guide to the identification of grasses in South Africa. In Meredith, D. (ed.), The grasses and pastures of South Africa, pp. 1-527. Johannesburg: Central News Agency.
- CHODAT, R., 1914. Die geographische Gliederung der *Polygala*-Arten in Afrika. Bot. Jb. 50: 111-123.
- CHOLNOKY, B.J., 1954a. Algae flora in the Mogol River in north-east Transvaal. Ost. Bot. Z. 101: 118-139.
- CHOLNOKY, B.J., 1954b. Diatomeen und einige andere Algen aus dem De Hoek-Reservaat in Noord-Transvaal. Bot. Notiser 107: 269-296.
- CHOLNOKY, B.J., 1954c. Neue und seltene Diatomeen aus Afrika. Ost. bot. Z. 101: 407.
- CHOLNOKY, B.J., 1954d. Diatomeen aus Sud-Rhodesien. Port. Acta biol. Ser. B 4: 197-228.
- CHOLNOKY, B.J., 1955. Diatomeen aus salzhaltigen binnengewässern der westlichen Kaap-Provinz in Südafrika. Ber. dt. bot. Ges. 67.1: 11-23.
- CHOLNOKY, B.J., 1956. Neue und seltene Diatomeen aus Afrika. 2. Diatomeen aus dem Tugela-gebiete in Natal. Ost. bot. Z. 103: 53-97.
- CHOLNOKY, B.J., 1957a. Neue und seltene Diatomeen aus Afrika. 3. Diatomeen aus dem Tugela-Fluss system hauptsächlich aus den Drakensbergen in Natal. Ost. bot. Z. 104: 25-99.
- CHOLNOKY, B.J., 1957b. Über die Diatomeen-flora einiger Gewässer in den Magalies-Bergen nahe Rustenburg, Transvaal. Bot. Notiser 110: 325-362.
- CHOLNOKY, B.J., 1957c. Beiträge zur Kenntnis der südafrikanischen Diatomeenflora. Port. Acta biol. Ser. B 6: 53-93.
- CHOLNOKY, B.J., 1958a. Beiträge zur Kenntnis der Südafrikanischen Diatomeenflora. II. Einige Gewässer im Waterberggebiet, Transvaal. Port. Acta biol. 6.2: 99-153.
- CHOLNOKY, B.J., 1958b. Beitrag zu den Diatomeenassoziationen Sümpfes Olifantsvlei, südwestliche Johannesburg. Ber. dt. bot. Ges. 71: 177-178.
- CHOLNOKY, B.J., 1958c. Enige Diatomeen-Assoziationen aus Südwestafrika. Senckenberg. biol. 39.5-6: 315-324.
- CHOLNOKY, B.J., 1959. Neue und seltene Diatomeen aus Afrika 4. Diatomeen aus der Kaap-Provinz. Ost. bot. Z. 106: 1-69.
- CHOLNOKY, B.J., 1960a. Beiträge zur Kenntnis der Ökologie der Diatomeen in dem Swartkops-Bache nahe Port Elizabeth. (Südost-Kaapland). Hydrobiologia 16: 229-287.
- CHOLNOKY, B.J., 1960b. Beiträge zur Kenntnis der Diatomeenflora von Natal. Nova Hedwigia 2: 1-28.
- CHOLNOKY, B.J., 1960c. The relationship between algae and the chemistry of natural waters. CSA/CCTA Publs No. 64, pp. 215-225.
- CHOLNOKY, B.J., 1962a. Beiträge zur Kenntnis der Diatomeen in Ost-Transvaal. Hydrobiologia 19.1: 57-119.
- CHOLNOKY, B.J., 1962b. Ein Beitrag zu der Ökologie der Diatomeen in dem englischen Protektorat Swasiland. Hydrobiologia 20: 309-395.
- CHOLNOKY, B.J., 1962c. Beiträge zur Kenntnis der Südafrikanischen Diatomeenflora III: Diatomeen aus der Kaap-Provinz. Revta Biol., Lib. 3: 1-80.
- CHOLNOKY, B.J., 1963. Beiträge zur Kenntnis des Marricn Litoral von Südafrika. Botanica mar. 5: 38-83.
- CHOLNOKY, B.J., 1968. Die Diatomeenassoziationen der Santa-Lucia-Lagune in Natal (Südafrika). Botanica mar. suppl., pp. 127.
- CHOLNOKY, B.J., 1970. Die diatomeenassoziationen im Nonoti-Bach in Natal, Südafrika. Nova Hedwigia 31: 313-329.
- CHOLNOKY, B.J. & CLAUS, G., 1961. Beiträge zur Kenntnis der Algenflora und der Ökologie der diatomeen in dem Stausee Wemmershoek Dam nahe Kapstadt. Ost. bot. Z. 108: 325-350.
- CLAASSEN, M.I., 1961. A contribution to our knowledge of the freshwater algae of the Transvaal Province. Bothalia 7: 559-666.
- CLEGHORN, W.B. & HILL, J.C.R., 1965. *Dichapetalum cymosum* (Hook.) Engl. ("umkauzaan") recorded from the Nuanetsi District. Rhodesia agric. J. 62: 99-100.
- COATES-PALGRAVE, O.H. & COATES-PALGRAVE, K., 1956. Trees of central Africa. Rhodesia & Nyasaland: National Publications Trust.
- CODD, L.E.W., 1928. On the reaction of *Digitaria eriantha* var. *stolonifera* Stapf and *Themeda triandra* Forssk. to the winter season. M.Sc. thesis, University of South Africa.
- CODD, L.E.W., 1951. Trees and shrubs of the Kruger National Park. Mem. bot. Surv. S. Afr. No. 26, pp. 192.
- CODD, L.E.W., 1961. Notes on poisonous plants with special reference to the Gousiekte problem. J. S. Afr. biol. Soc. 2: 8-18.
- COELHO, H.P., 1966. Manchas florestais de *Ricnodendron rautanenii* Schinz (Mangongo) no distrito do Cuado-Cubango (Estudo prevlo). Agronomia angol. 24: 33-64.
- COETZEE, J.A., 1945. A first contribution to the root ecology of certain Highveld communities: some subseral and preseral stages. M.Sc. thesis, University of the Witwatersrand.
- COETZEE, J.A., PAGE, M.I. & MEREDITH, D., 1945. Root studies in Highveld grassland communities. S. Afr. J. Sci. 42: 105-118.
- COETZEE, P.J.S., 1939. Studies in relation to the transpiration of irrigation requirements of wheat. M.Sc. thesis, University of South Africa.
- COHEN, C., 1935. *Stoebe* sp.: a contribution to its ecology. J. S. Afr. Bot. 1: 171-175.
- COHEN, C., 1937a. *Stoebe vulgaris* Levyns. M.Sc. thesis, University of the Witwatersrand. pp. 118.
- COHEN, C., 1937b. Some aspects of the reproduction of *Stoebe vulgaris* and certain local grass and weed seeds. S. Afr. J. Sci. 33: 351-354.
- COHEN, C., 1940. *Stoebe vulgaris* - a study of an ecological problem. J. S. Afr. Bot. 6: 79-110.
- COHEN, C., 1948. A first report on mycorrhiza associated with some Transvaal plants. J. S. Afr. Bot. 14: 91-95.
- COHEN, C., 1949. The occurrence of fungi in the soil after different grazing and burning treatments of the veld. Part 1. S. Afr. J. Sci. 46: 260-265.
- COMPTON, R.H., 1922. Medicinal and aromatic plants in South Africa. J. bot. Soc. S. Afr. 8: 9-11.

- COMPTON, R.H., 1925. The heaths of the Cape Peninsula, with notes on Kirstenbosch heaths. J. bot. Soc. S. Afr. 11: 10-16.
- COOK, L., 1939a. A contribution to our information on grass burning. M.Sc. thesis, University of the Witwatersrand. pp. 43.
- COOK, L., 1939b. A contribution to our information on grass burning. S. Afr. J. Sci. 36: 270-282.
- COOPER, K.H., 1968. Unique mangroves threatened. Natal Wildlife 9: 2-4. Afr. wild Life 22: 49-57.
- COOPER, O.J. & SHIFF, C.J., 1955. The animal association of Renosterbos, *Elyropappus rhinocerotis*. (L.) Less. S. Afr. J. Sci. 51: 345-347.
- CORNELL, M.A.M., 1932. On the Natal Acacias. A study of their anatomy and the correlation between the anatomy and distribution of the various species. M.Sc. thesis, University of South Africa.
- CRAM, I., 1966. Malawi's *Streptocarpus*. Gesneriad Saintpaulia News, 111: 20-25.
- CRESSWELL, C.F., 1958. A quantitative investigation of the absorption of certain plant cations by whole plant and plant tissue. M.Sc. thesis, Rhodes University.
- CRESSWELL, C.F. & NELSON, H., 1972. The effect of boron on the breaking, and possible control of dormancy of seed of *Themeda triandra* Forsk. Ann. Bot. 36: 147: 771-780.
- CROIZAT, L., 1952. Manual of phytogeography. The Hague: Junk. pp. 557.
- CURSON, H.H., 1927. The poisonous plants of South Africa. JI S. Afr. vet. med. Ass. 1: 45.
- CURSON, H.H., 1928. Some little known South African poisonous plants and their effects upon stock. Rep. vet. Res. Un. S. Afr. 13-14, pp. 205-229.
- DAHLGREN, R., 1963. Studies on *Aspalathus*. Phytogeographical aspects. Bot. Notiser 116: 432-472.
- DAHLGREN, R., 1968. Distribution and substrate in the South African genus *Aspalathus* L. (Leguminosae). Bot. Notiser 121: 505-534.
- DATE, S., 1959. Mangroves. Nucleon 1: 31.
- DAVEY, L.M., 1969. The ecology and taxonomy of aquatic Actinomycetes. M.Sc. thesis, University of the Witwatersrand.
- DAVIDSON, R.L., 1941. A note on anthesis in some common grasses near Johannesburg and the relation of anthesis to collection of pollen for medical purposes. JI S. Afr. Bot. 7: 145-152.
- DAVIDSON, R.L., 1962. The influence of edaphic factors on the species composition of early stages of the subser. J. Ecol. 50: 401-410.
- DAY, J.H., 1952. The ecology of South African estuaries. Bull. Natal Soc. Preserv. wild Life nat. Resorts 1,2: 5.
- DE ALMEIDA, A.G., 1930. Plantas venenosas e medicinais dos indigenas de Mocambique. Bolm agric. pecuar. Mocamb. 1-2: 9-29.
- DE BRUYN, J.A., 1951. 'n Fisiologiese studie van *Setaria sphacelata* (Schum.) Stapf et Hubbard. M.Sc. thesis, University of South Africa.
- DE BRUYN, J.A. & AALBERS, J., 1966. Effects of molybdenum and different sources of nitrogen on the growth and chemical composition of *Digitaria smutsii*. JI S. Afr. Bot. 32: 183-194.
- DE BRUYN, J.A. & MCILRATH, W.J. 1966. Effects of boron, manganese, copper and zinc upon the growth of *Setaria sphacelata*. JI S. Afr. Bot. 32: 313-324.
- DE VOS, M.S., 1953. The weeds of a few representative areas of the Rand. Johannesburg: University of Witwatersrand.
- DE WET, J., 1960. Chromosome numbers and some morphological attributes of various South African grasses. Am. J. Bot. 47: 44-49.
- DE WINTER, B., 1966. Remarks on the distribution of some desert plants in Africa. In Van Zinderen Bakker, E. M. (Sr) (ed.), Palaeoecology of Afr. 1: 188-189. Cape Town: Balkema.
- DE WINTER, B., 1974. South African trees. S. Afr. For. J., No. 88, pp. 6-8.
- DE WINTER, B., DE WINTER, M., & KILLICK, D.J.B., 1966. Sixty-six Transvaal trees. Pretoria: Department of Agricultural Technical Services. pp. 175.
- DE WINTER, B., DE WINTER, M., & KILLICK, D.J.B., 1973. Know your trees. A selection of indigenous South African trees. Cape Town: Reader's Digest. pp. 32.
- DE WINTER, B. & VAHRMEIJER, J., 1972. The national list of trees. Pretoria: Van Schaik.
- DELFT, E.M. & MICHELL, M.R., 1921. The Tyson collection of marine algae. Ann. Bolus Herb. 3,2: 89-119.
- DEMARET, F. & POTIER DE LA VARDE, R., 1951. Les especes africaines du genre *Cyclodictyon*. Mitt. Bull. Jard. bot. Etat Brux. 21: 13-59.
- DEMARET, F. & POTIER DE LA VARDE, R., 1952. Les especes africaines du genre *Callicostella*. (C. Mull.) Jaeg. Bull. Jard. bot. Etat Brux. 22: 322-396.
- DENT, G.R., 1928. The relation between leaf structure and water loss. M.Sc. thesis, University of South Africa.
- DENT, S.R., 1922. An autecological study of *Aloe striata* and *A. saponaria*. M.Sc. thesis, University of South Africa.
- DIERSCHKE, H., 1975. Vegetation und substrat. Vaduz: Cramer. pp. 550.
- DINTER, K., 1923. Sukkulantenforschung in Sudwest-Afrika. Erlebnisse und Ergebnisse meiner Reise im Jahre 1922. Berlin: repertorium specierum novarum regni vegetabilis. pp. 80 (Beih. Repert. Spec. nov. Regni veg. 23)
- DIVISION OF SOIL CONSERVATION AND EXTENSION, 1950. St John's Wort, a dangerous weed. Fmg S. Afr. 25: 61-63.
- DIXON, H.N., 1920. New and interesting South African mosses. Trans. R. Soc. S. Afr. 8: 179-224.
- DIXON, H.N. & GEPP, A., 1923. Rehmann's South African mosses. Bull. misc. Inf. R. bot. Gdns Kew 6: 193-238.
- DIXON, H.N. & WAGER, H.A., 1924. New and noteworthy mosses from South Africa. Trans. R. Soc. S. Afr. 18: 247-261.
- DOIDGE, E.M., 1950. The South African fungi and lichens to the end of 1945. Bothalia 5: 1-1094.
- DONALDSON, C.H., KELK, D.M. & WEST, K.N., 1972. *Antheophora pubescens* Nees. Proc. Grassld Soc. sth. Afr. 7: 112-116.
- DREW, A. & REILLY, C., 1972. Observations on copper tolerance in the vegetation of a Zambian copper clearing. J. Ecol. 60: 439-444.
- DRUMMOND, R.B., 1972. A list of Rhodesian legumes. Kirkia 8: 209-229.
- DRY, L.J., 1950. A preliminary investigation of the toxic principle of *Moraea polystachya* Ker. M.Sc. thesis, University of South Africa.
- DU PLESSIS, S.S., 1955. Die *Borassus*-Palm in Transvaal. Fauna Flora, Pretoria 6: 84-92.
- DU PREEZ, C.M.R., 1964. Die transpirasie van 'n aantal Karoobossoorte. M.Sc., (Agric.) thesis, University of the Orange Free State. pp. 110.
- DU TOIT, J., 1973. Morfologiese en produksiestudies op *Cenchrus ciliaris* L. M.Sc. thesis (Agric.), University of Pretoria.
- DU TOIT, J., RABIE, J.W. & GRUNOW, J.O., 1973. Produksie en morfologiese reaksie op ontblaring van *Cenchrus ciliaris* L. Proc. Grassld Soc. sth. Afr. 8: 117-121.
- DU TOIT, J.W., 1967. A preliminary survey of the soil mycoflora of an *Acacia karroo* Community in Potchefstroom with a description of new species. M.Sc. thesis, Potchefstroom University for CHE.
- DU TOIT, P.F., 1966. An autecological study of the seedling of *Acacia karroo*. M.Sc. (Agric.) thesis, University of Pretoria.
- DU TOIT, P.F., 1968. A simple method for the determination of leaf area of small leaves. S. Afr. J. agric. Sci. 11: 201-202.
- DU TOIT, R. & DU TOIT, E., 1938. Rhenoster bush as a weed. Fmg S. Afr. 13: 429-430 & 445.
- DUTHIE, A.V., 1924. The Eriospermums of the Stellenbosch flats. Annale Univ. Stellenbosch Serie A 2,3: 1-22.
- DUTHIE, A.V., 1926. Contribution to our knowledge of the Stellenbosch flora. The species of *Anthericum* and *Chlorophytum* of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 4,1: 23.
- DUTHIE, A.V., 1928a. Contribution to our knowledge of the Stellenbosch flora. Species of *Urginea* of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 6,2: 1-16.
- DUTHIE, A.V., 1928b. Contribution to our knowledge of the Stellenbosch flora. New or little-known flowering plants of the Stellenbosch Flats. Annale Univ. Stellenbosch Serie A 6,3: 1-7.

- DYER, R.A., 1923. The water relations of some Natal plants with special reference to the leaves of *Praeroxylon utile* and *Portulacaria afra*. M.Sc. thesis, University of South Africa.
- DYER, R.A., 1947. A note on the distribution of succulent *Euphorbia* in South Africa in relation to climate. *Natn. Cactus. Succul. J.* 2: 28-30.
- DYER, R.A., 1952. A note on the distribution of the palms of South Africa with special reference to *Borassus* in the Transvaal. *S. Afr. J. Sci.* 48: 215-220.
- DYER, R.A., 1965. The cycads of Southern Africa. *Bothalia* 8: 405-516.
- EDMONSTONE-SAMMONS, C., 1955. The fungal flora associated with black spot of pineapples. Part 2. Some aspects of the microflora of citrus soils. M.Sc. thesis, Rhodes University.
- EDWARDS, D. & MUSIL, C.F., 1975. *Eichhornia crassipes* in South Africa - a general review. *J. Limnol. Soc. sth. Afr.* 1,1: 23-27.
- EDWARDS, P.J. & COETSEE, G., 1972. Apply veld management against "gousiekte" now. *Fmg S. Afr.* 47: 13, 9-15.
- ENDEAN, F., 1967. The productivity of 'Miombo' Woodland in Zambia. *Forestry Research Bulletin*, Zambia 14.
- ENGLER, A., 1881. Über die morphologischen Verhältnisse und die geographische Verbreitung der Gattung *Rhus*, wie der mit ihr verwandten, lebenden und ausgestorbenen Anacardiaceae. *Bot. Jb.* 1: 365-426.
- ERNST, W., 1972. Ecophysiological studies on heavy metal plants in south central Africa. *Kirkia* 8: 125-145.
- ERNST, W., 1975. Variation in the mineral contents of leaves of trees in miombo woodland in south central Africa. *J. Ecol.* 63: 801-807.
- ERNST, W. & WALKER, B.H., 1973. Studies on the hydrature of trees in miombo woodland in south central Africa. *J. Ecol.* 61: 667-673.
- EXELL, A.W., 1970. Summary of the Combretaceae of Flora Zambesiaca. *Kirkia* 7: 159-252.
- EYRE, J., 1939. The South African intertidal zone and its relation to ocean currents. 7. An area in False Bay. *Ann. Natal Mus.* 9: 283-306.
- EYRE, J. & STEPHENSON, J.A., 1938. The South African intertidal zone and its relation to ocean currents. 5. A subtropical Indian Ocean shore. *Ann. Natal Mus.* 9: 21-46.
- FAEGRI, K., 1965. Reflections on the development of pollination systems in African Proteaceae. *Jl S. Afr. Bot.* 31: 133-136.
- FANSHAWE, D.B., 1962. *Baikiaea* on basalt. *For. Newsl. Nth. Rhod.* 84: 17-18.
- FANSHAWE, D.B., 1968. The vegetable ivory palm - *Hyphaene ventricosa* Kirk - its ecology, silviculture and utilisation. *Kirkia* 6: 105-116.
- FANSHAWE, D.B., 1972a. The biology of the reed - *Phragmites mauritanus* Kunth. *Kirkia* 8: 147-150.
- FANSHAWE, D.B., 1972b. The biology of the wild ginger - *Aframomum bialuriculatum* K. Schum. *Kirkia* 8: 151-166.
- FANSHAWE, D.B. & HOUGH, C.D., 1960. Poisonous plants of Northern Rhodesia. *Forest Research Bulletin* 1, Division of Forest Research, Lusaka.
- FANSHAWE, D.B. & C.D., 1967. Poisonous plants of Zambia. *Forest Research Bulletin* 1 (revised), Division of Forest Research, Lusaka, pp.24.
- FARRELL, J.A., 1964. A Hlengwe-botanical dictionary of some trees and shrubs in Southern Rhodesia. *Kirkia* 4: 165-172.
- FEELY, J.M., 1965. Observations on *Acacia albidia* in the Luangwa Valley. *Puku* 3: 67-70.
- FERREIRA, D.P. & SMALL, J.G.C., 1974. Preliminary studies on seed germination of *Drosera aliciae* Hamet. *Jl S. Afr. Bot.* 40: 65-73.
- FERREIRA, J.C., 1974. Autecological studies of *Polygonum senegalense* Meisn. M.Sc. thesis, University of Rhodesia.
- FISHER, B.S. & SCHWEICKERDT, H.G., 1941. A critical account of the species of *Dactyloctenium* Willd. in Southern Africa. *Ann. Natal Mus.* 10: 47-77.
- FRANKISH, M.S., 1960. An anatomical and autecological study of *Fimbristylis complanata* (Retz.) Link in Natal. M.Sc. thesis, University of Natal.
- FRITSCH, F.E., 1918. Contributions to our knowledge of the freshwater algae, mostly from the Cape Peninsula in the Herbarium of the South African Museum. *Ann. S. Afr. Mus.* 9: 483-611.
- FRITSCH, F.E. & RICH, F., 1924. Contributions to our knowledge of the freshwater algae of Africa. 4. Freshwater and subaerial algae from Natal. *Trans. R. Soc. S. Afr.* 11: 297-398.
- FRITSCH, F.E. & RICH, F., 1929. Contributions to our knowledge of the freshwater algae of Africa. 13. *Trans. R. Soc. S. Afr.* 25: 153-228.
- FRITSCH, F.E. & RICH, F., 1930a. Contributions to our knowledge of the freshwater algae of Africa. 7. Freshwater algae from Griqualand West. *Trans. R. Soc. S. Afr.* 18: 1-92.
- FRITSCH, F.E. & RICH, F., 1930b. Contributions to our knowledge of the freshwater algae of Africa. 8. Bacillariales (diatoms) from Griqualand West. *Trans. R. Soc. S. Afr.* 18: 93-123.
- FRITSCH, F.E. & STEPHENS, E., 1921. Contributions to our knowledge of the freshwater algae of Africa. 3. Freshwater algae mainly from the Transkei territories, Cape Colony. *Trans. R. Soc. S. Afr.* 9: 1-72.
- FRITSCH, K., 1899. Über eine von Welwitsch in Angola entdeckte Art der Gattung *Streptocarpus*. *Ber. dt. bot. Ges.* 17: 417-423.
- GAERDES, J., 1967. Über sudwestafrikanische pfeilgifte. *Jl S. W. Africa scient. Soc.* 21: 33-89.
- GAFF, D.F., 1971a. The resurrection plants of South West Africa. *S.W.A. scient. soc. Newsl.* 12,2: 3-4.
- GAFF, D.F., 1971b. Desiccation-tolerant flowering plants in Southern Africa. *Science* 174: 1033-1034.
- GAFF, D.F., 1972. Drought resistance in *Welwitschia mirabilis* Hook. f. *Dinteria* 7: 3-7.
- GALE, G.W., 1921a. The aeration system of certain Natal plants. M.Sc. thesis, University of South Africa.
- GALE, G.W., 1921b. A preliminary account of some investigations on leaf-aeration in certain Natal plants. *S. Afr. J. Sci.* 18: 153-155.
- GALLWEY, B.M.G., 1956. Cuticular absorption of water by leaves. M.Sc. thesis, University of Natal.
- GALPIN, E.E. & GALPIN, E.A., 1935. Some biological notes on *Boscia rehmanniana* Pest., and *Olea verrucosa* Link. *Trans. R. Soc. S. Afr.* 23: 255-258.
- GARSDIE, S., 1949. *Sphagnum* in South Africa. *Jl S. Afr. Bot.* 15: 59-78.
- GAUDET, J.J., 1973. Growth of a floating aquatic weed, *Salvinia* under standard conditions. *Hydrobiologia* 41: 77-106.
- GELDENHUIS, C.J., 1975. Die autekologie van *Podocarpus falcatus*. M.Sc. thesis, University of Stellenbosch.
- GERMISHUIZEN, G., 1975. Some endangered succulents of the Transvaal. *Fauna Flora, Pretoria* 26: 5-7.
- GIBBS RUSSELL, G.E., 1974. The vascular aquatic plants of Rhodesia. Ph.D. thesis, University of Georgia, U.S.A.
- GIBBS RUSSELL, G.E., 1975. Distribution of vascular aquatic plants in Rhodesia. *S. Afr. J. Sci.* 71: 270-272.
- GIDDY, C., 1974. Cycads of South Africa. Cape Town: Purnell. pp. 122.
- GIESS, W., 1968. Die Gattung *Rhigozum* Burch. und ihre Artin in Sudwestafrika. *Dinteria* 1: 31-51.
- GIESS, W., 1969a. Die verbreitung von *Lindernia intrepida* (Dinter) Oberm. (*Chamaegigas intrepida* Dinter) in Sudwestafrika. *Dinteria* 2: 23-28.
- GIESS, W., 1969b. *Welwitschia mirabilis* Hook fil. *Dinteria* 3: 1-55.
- GIESS, W., 1970a. *Moringa ovalifolia*: die boom van die Sprokieswoud in die Nasionale Etoshawildtuin. *Dinteria* 5: 57-58.
- GIESS, W., 1970b. Die verbreitung von *Moringa ovalifolia* Dinter & Berger in Sudwestafrika. *Dinteria* 5: 59-64.
- GIESS, W., 1974. Swei Fahrten zur *Jensenobotrya lossowiana* Herre. *Dinteria* 10: 3-12.
- GIFFEN, M.H., 1963a. Contributions to the diatom flora of South Africa: Diatoms of the estuaries of the Eastern Cape Province. *Hydrobiologia* 21: 201-265.
- GIFFEN, M.H., 1963b. Contributions to the diatom flora of South Africa. IV. The marine littoral diatoms of the estuary of the Kowie River, Port Alfred, Cape Province. *Beih. Nova Hedwigia* 31: 259-307.
- GIFFEN, M.H., 1966a. Contributions to the diatom flora of South Africa. *Nova Hedwigia* 13: 245-292.
- GIFFEN, M.H., 1966b. Contributions to the diatom flora of

- Southern Africa. II. The diatoms from the Hog's Back Region of the Amatola Mountains, Eastern Cape Province, South Africa. *Beih. Nova Hedwigia* 21: 123-150.
- GIFFEN, M.H., 1967. Contributions to the diatom flora of South Africa. III. Diatoms of the marine littoral regions at Kidds Beach near East London, Cape Province. Ph.D. thesis, University of South Africa.
- GIFFEN, M.H., 1971. Marine littoral diatoms from Gordon's Bay region of False Bay, Cape Province. *Botanica mar.* 14: 1-16.
- GIFFEN, M.H., 1973. Diatoms of the marine littoral of Steenberg's Cove in St Helena Bay, Cape Province, South Africa. *Botanica mar.* 16: 32-48.
- GILGES, W., 1955. Some African poison plants and medicines of Northern Rhodesia. *Occ. Pap. Rhodes-Livingstone Mus.* 11: 1-33.
- GILLILAND, H.B., 1949. Experiments on the vegetative propagation of *Cynodon* species. Better turf through Research. Johannesburg: AECI.
- GILLILAND, H.B., 1955. On the phenology of the veld around Johannesburg. *Jl S. Afr. Bot.* 21: 77-82.
- GILLMAN, H., 1934. The indication significance of "slangbos" *Stoebe cinerea* Thunb. M.Sc. thesis, University of the Witwatersrand.
- GLOVER, P.E., 1937a. Some hints on the determination of certain highveld grasses vegetatively. *S. Afr. J. Sci.* 33: 443-500.
- GLOVER, P.E., 1937b.1. The ecology of the Frankenwald type of flora. 2. The utility of aerial photographs as an aid to botanical survey. M.Sc. thesis, University of the Witwatersrand.
- GOOSSENS, A.P., 1934. A note on the floral evolutionary tendencies, differentiation and distribution of the South African Labiatae. *Trans. R. Soc. S. Afr.* 21: 245-257.
- GOOSSENS, A.P., 1938. A study of the South African species of *Sporobolus* R. Br. with special reference to leaf anatomy. *Trans. R. Soc. S. Afr.* 26: 173-223.
- GOOSSENS, A.P. & STAPELBERG, L., 1933. A brief note on the macroscopic aspect of some western Transvaal grasses. *S. Afr. J. Sci.* 30: 212-219.
- GOPAL, B., 1971. Ecology of *Marsilea* species with special reference to dry matter production. *Hydrobiologia* 12: 159-168.
- GORDON, T., 1974. Indigenous trees of Rhodesia. *Trees S. Afr.* 26:1: 20-22.
- GORDON-GRAY, K.D., 1965. *Acacia robusta* Burch. and *Acacia claviger* E. Mey. in Natal, South Africa. *Brittonia* 17: 202-213.
- GORDON-GRAY, K.D. & WARD, C.J., 1971. A contribution to knowledge of *Phragmites* (Gramineae) in South Africa, with particular reference to Natal populations. *Jl S. Afr. Bot.* 37: 1-30.
- GOSSELT, D.R. & NORRIS, W.E., 1971. Relationship between nutrient availability and content of nitrogen and phosphorus in tissues of the aquatic macrophyte, *Eichhornia crassipes* (Mart.) Solms. *Hydrobiologia* 38:1: 15-28.
- GRANDVAUX BARBOSA, L.A., 1958. Contribuicao para a fitosociologia do novo *Pterocarpus brenanii*. *Bolm Soc. Estud. Mocamb.* 111: 69-86.
- GRANDVAUX BARBOSA, L.A., 1959. Phytosociology of *Pterocarpus brenanii*. *S. Afr. J. Sci.* 55:4: 92.
- GRANT, P.M., 1967a. The fertility of sandveld soil under continuous cultivation. 1. The effect of manure and nitrogen fertilizers on the nitrogen status of the soil. *Rhod. Zambia & Malawi J. Agric. Res.* 5: 71-79.
- GRANT, P.M., 1967b. The fertility of sandveld soil under continuous cultivation 2. The effect of manure and nitrogen fertilizer on the base status of the soil. *Rhod. Zambia & Malawi J. Agric. Res.* 5: 117-128.
- GRAVES, J.M., 1969. The genus *Porphyra* on South African coasts. 1. Observations on the autecology of *Porphyra capensis* sensu Isaac (1957), including a description of dwarf plants. *Jl S. Afr. Bot.* 35: 343-362.
- GREATHEAD, S.K., 1961. A study of South African aquatic Hyphomycetes. M.Sc. thesis, Rhodes University. pp. 129.
- GREATREX, F.C., 1951. Preliminary survey of the orchid flora of Southern Rhodesia. *Proc. Trans. Rhod. scient. Ass.* 43.
- GRIFFEN, M.H., 1963. Contributions to the diatom flora of South Africa. 1. *Hydrobiologia* 21: 261-265.
- GRIMME, C., 1910. "Narras" ein wichtiges Eingeborenen Nahrungsmittel in Deutsch Sudwestafrika. *Tropenpflanzer* 14: 297-302.
- GROBBELAAR, J.U., 1971. Continuous cultures as a method for the determination of primary production of algae. *S. Afr. J. Sci.* 67:4: 284-288.
- GROBBELAAR, N., STRAUSS, J.M. & GROENEWALD, E.G., 1971. Non-leguminous seed plants in southern Africa which fix nitrogen symbiotically. *Pl. Soil Special volume*, pp. 325-334.
- GRONBLAD, R. & CROASDALE, H., 1971. Desmids from Namibia (S.W. Africa). *Acta bot. fenn.* 93: 1-40.
- GROSSMAN, D. & CRESWELL, C.F., 1974. The influence of nitrate and ammonia nitrogen on the photosynthetic and photorespiratory activity of selected Highveld grasses exhibiting C4 photosynthesis. *Proc. Grassld Soc. sth. Afr.* 9: 89-94.
- GUY, G.L., 1970. *Adansonia digitata* and its rate of growth in relation to rainfall in south central Africa. *Proc. Trans. Rhod. scient. Ass.* 54: 68-84.
- HAIGH, H., 1966. Root development in the sandy soils of Zululand. *For. S. Afr.* 7: 31-36.
- HALL, A.V., 1959. Observations on the distribution and ecology of Orchidaceae in the Muizenberg Mountains, Cape Peninsula. *Jl S. Afr. Bot.* 25: 265-278.
- HALL, A.V., 1961. Distribution studies of introduced trees and shrubs in the Cape Peninsula. *Jl S. Afr. Bot.* 37: 101-112.
- HALL, A.V., 1967. Studies in recently developed group-forming procedures in taxonomy and ecology. *Jl S. Afr. Bot.* 33: 185-196.
- HALL, T.D., MEREDITH, D. & MURRAY, S.M., 1941. Fertilizing natural veld and its effect on sward, chemical composition, carrying capacity and beef production. *S. Afr. J. Sci.* 37: 111-129.
- HALL, T.D., MEREDITH, D. & MURRAY, S.M., 1948. Dry matter and protein of pastures as affected by amounts and forms of nitrogen applied. *S. Afr. J. Sci.* 44: 111-118.
- HALL-MARTIN, A.J. & FULLER, N.G., 1975. Notes on the phenology of some trees and shrubs of the Sengwe National Park, Malawi. *J. sth. Afr. Wildl. Mgmt Ass.* 5: 83-86.
- HANCOCK, F.D., 1967. A first study on the algal ecology of the Klip River in the gold mining area of Johannesburg. Ph.D. thesis, University of the Witwatersrand.
- HANCOCK, F.D., 1973a. The ecology of the diatoms of the Klip River, southern Transvaal. *Hydrobiologia* 42: 243-284.
- HANCOCK, F.D., 1973b. Algal ecology of a stream polluted through gold mining on the Witwatersrand. *Hydrobiologia* 43: 189-229.
- HANCOCK, F.D. & LUCAS, A., 1973. Ferns of the Witwatersrand. Johannesburg: Witwatersrand University.
- HARDAKER, P., 1922. The rate of water loss during the drying of leaves. M.Sc. thesis, University of South Africa.
- HARRISON, E.R., 1968. The epiphytic orchids of the St Lucia Reserve. *Lammergeyer* 6: 63-72.
- HARRISON, E.R., 1972. Epiphytic orchids of Southern Africa. Natal Branch of the Wildlife Protection Society of South Africa. pp. 107.
- HARRISON, R.E., 1959. Handbook of trees and shrubs for the Southern Hemisphere. Wellington: Reed. pp. 340.
- HARVEY, P.H., 1971. Some trees of the semidesert. *Trees S. Africa* 23: 42-50.
- HASLAM, S.M., 1971. Shoot height and density in *Phragmites* stands. *Hydrobiologia* 12: 113-119.
- HATTINGH, E.R., 1953. Observations on the ecology of *Stoebe vulgaris* Levyns. *Emp. J. exp. Agric.* 21: 309-313.
- HAVENGA, M.C.G., 1970. The role of organic matter in the production ecology of grassveld. M.Sc. (Agric.) thesis, University of Pretoria.
- HAWKINS, T.H., 1966. Exotic Acacias in South Africa. *Nature, Lond.* 210: 577.
- HEARD, C.R.C., 1938. The water relationships of some Natal grasses with special reference to transpiration rate and response to decreasing available water. M.Sc. thesis, University of South Africa.
- HEIBERG-JURGENSEN, K. & PENNEFATHER, M., 1966. Fertilizing of *Eucalyptus grandis* (saligna) on old wattle lands. *S. Afr. For. J.* 57: 11-12.

- HEMENS, J. & STANDER, G.J., 1969. Nutrient removal from sewage effluents by algal activity. *Advances in Water Pollution Research*, pp. 701-711.
- HENDERSON, M. & ANDERSON, J.G., 1966. Common weeds in South Africa. *Mem. bot. Surv. S. Afr.* No. 37, pp. 440.
- HENKEL, C.C., 1894. Tree planting for ornamental and economic purposes in the Transkeian territories, South Africa. Pinetown Printing Establishment, Mariannhill. pp. 127.
- HENKEL, J.S., 1931. *Acacia giraffae* Burch. A description and fodder value. *Rhodesia agric. J.* 28: 71-73.
- HENKEL, J.S., 1934. A field book of the woody plants of Natal and Zululand. Durban & Pietermaritzburg: Natal University Development Fund Committee.
- HENKEL, J.S., 1935. The woody plants of Natal and Zululand. *Pamph. S. Afr. biol. Soc.* No. 8, pp. 51-52.
- HENNESSY, E. F., 1972. South African *Erythrina*s. Durban: Natal Branch of the Wildlife Protection & Conservation Society of South Africa. pp. 45.
- HENNING, A.C. & WHITE, R.E., 1974. A study of the growth and distribution of *Coloposperrum mopane* (Kirk ex Benth.), Kirk ex Leon. the interaction of nitrogen, phosphorus and soil moisture stress. *Proc. Grassld Soc. sth. Afr.* 9: 53-59.
- HENRICI, M., 1926a. The chlorophyll content of grasses in Bechuanaland. *Rep. vet. Res. Un. S. Afr.* No. 11-12, pp. 259-271.
- HENRICI, M., 1926b. Preliminary report upon the occurrence of hydrocyanic acid in the grasses of Bechuanaland. *Rep. vet. Res. Un. S. Afr.* No. 11-12, pp. 495-498.
- HENRICI, M., 1926c. Physiological plant studies in South Africa. Part 2. Transpiration of grasses and other plants under arid conditions. *Rep. vet. Res. Un. S. Afr.* No. 11-12, pp. 671-702.
- HENRICI, M., 1926d. Physiological plant studies in South Africa. Part 1. Wilting and osmotic phenomena of grasses and other plants under arid conditions. *Rep. vet. Res. Un. S. Afr.* No. 11-12, pp. 619-668.
- HENRICI, M., 1928a. The phosphorus content of the grasses in Bechuanaland in the course of their development. *Rep. vet. Res. Un. S. Afr.* No. 13-14, pp. 1077-1028.
- HENRICI, M., 1928b. The relation between the amount of carbohydrates in the leaves of Armoedsvlakte grasses and the meteorological factors. *Rep. vet. Res. Un. S. Afr.* No. 13-14, pp. 1041-1074.
- HENRICI, M., 1929. The structure of the cortex of grass roots in the more arid regions of South Africa. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 85, pp. 12.
- HENRICI, M., 1930a. Mineral and feeding stuff analyses of grasses of the eastern Transvaal highveld. *Rep. vet. Res. Un. S. Afr.* No. 16, pp. 421-434.
- HENRICI, M., 1930b. The phosphorus content of grasses in the eastern Transvaal. *Rep. vet. Res. Un. S. Afr.* No. 16, pp. 435-499.
- HENRICI, M., 1932a. Cystine and sulphur content of bushes and grasses in a Karroid area (Fauresmith). *Rep. vet. Res. Uni. S. Afr.* No. 18, pp. 479-595.
- HENRICI, M., 1932b. An investigation of the content of phosphorus, calcium and protein of grasses in coastal regions of Natal and southern Zululand. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 115, pp. 30.
- HENRICI, M., 1935. Germination of Karoo bush seeds. Part 1. *S. Afr. J. Sci.* 32: 223-234.
- HENRICI, M., 1937. Transpiration and water supply of South African plants. *S. Afr. J. Sci.* 34: 61-72.
- HENRICI, M., 1938. Some physiological aspects of the genus *Tribulus*. *Onderstepoort J. vet. Sci. Anim. Ind.* 10: 367-392.
- HENRICI, M., 1939. Germination of Karoo bush seeds. Part 2. *S. Afr. J. Sci.* 36: 212-219.
- HENRICI, M., 1940. The transpiration of different plant associations in South Africa. Part 1. Transpiration of Karoo bushes. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 185, pp. 70.
- HENRICI, M., 1941. Transpiration of large Karoo bushes. *S. Afr. J. Sci.* 37: 156-163.
- HENRICI, M., 1943a. On the possibility of using sodium selenite for seed testing of Karoo bushes. *S. Afr. J. Sci.* 39: 152-154.
- HENRICI, M., 1943b. Transpiration of grasses in the sour mountain grassveld of the Drakensberg in comparison with the water loss of indigenous forests. *S. Afr. J. Sci.* 39: 155-163.
- HENRICI, M., 1943c. Data on the sugar and starch content of some fodder plants under different physiological conditions. *S. Afr. J. Sci.* 40: 157-161.
- HENRICI, M., 1945a. The effect of wilting on the direct assimilates of lucerne and other fodder plants. *S. Afr. J. Sci.* 41: 204-212.
- HENRICI, M., 1945b. Digestion experiments with fresh Karoo plants. *S. Afr. J. Sci.* 41: 213-217.
- HENRICI, M., 1946a. Transpiration of different plant associations in South Africa. Part 4. Parkland, forest and sour mountain grassveld: large Karoo bushes. *Sci. Bull. Un. S. Afr. Dep. Agric.* No. 224, pp. 35.
- HENRICI, M., 1946b. Transpiration of South African plant associations. Part 3. Indigenous and exotic trees in the Drakensberg area. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 247, pp. 85.
- HENRICI, M., 1946c. Transpiration of South African plant associations Part 2. Indigenous and exotic trees under semi-arid conditions. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 248, pp. 41.
- HENRICI, M., 1947a. *Tribulus terrestris*, content of assimilates, glucoside and nitrates under different edaphic conditions. *S. Afr. J. Sci.* 43: 195-202.
- HENRICI, M., 1947b. The use and misuse of shrubs and trees as fodder. *Jt. Publs Commonw. agric. Bur.* 10: 57-93.
- HENRICI, M., 1948a. Effect of grazing and cutting on *Pentzia incana* during drought. *S. Afr. J. Sci.* 44: 120-121.
- HENRICI, M., 1948b. *Euphorbia* in south-west Free State. *Afr. wild Life* 2: 77-80.
- HENRICI, M., 1948c. Transpiration studies. *S. Afr. Sci.* 2: 36-38.
- HENRICI, M., 1949. The carbohydrate content of lucerne under different meteorological and physiological conditions. *Onderstepoort J. vet. Sci. Anim. Ind.* 22: 273-413.
- HENRICI, M., 1950. Nitrate accumulation in *Tribulus terrestris*. *S. Afr. J. Sci.* 46: 197.
- HENRICI, M., 1951. The seasonal changes of soluble nitrogen, particularly nitrate in *Tribulus terrestris* on limestone formation. *S. Afr. J. Sci.* 47: 212.
- HENRICI, M., 1952a. Comparative study of the content of starch and sugars of *Tribulus terrestris*, lucerne, some Gramineae and *Pentzia incana* under different meteorological, edaphic and physiological conditions. *Onderstepoort J. vet. Res.* 25: 45-92.
- HENRICI, M., 1952b. Some micro-elements in Karoo plants. *S. Afr. J. Sci.* 49: 331.
- HENRICI, M., 1952c. The water soluble nitrogen of *Tribulus terrestris*. *S. Afr. J. Sci.* 48: 243.
- HENRICI, M., 1953a. Further nutrition studies on *Tribulus terrestris*. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 348, pp. 73.
- HENRICI, M., 1953b. Influence of molybdenum and manganese on the reductase of Karoo plants. *S. Afr. J. Sci.* 50: 303.
- HENRICI, M., 1955. Temperatures of Karoo plants. *S. Afr. J. Sci.* 51: 245-248.
- HENRICI, M., 1958. Temperatures of Karoo plants. *S. Afr. J. Sci.* 54: 119-122.
- HERBST, E.E., 1974. The distribution and ecology of *Retzia capensis* Thunb. *Tydskrif Natuurwet.* 14.2: 32-59.
- HERBST, M.J.H., 1972. 'n Ekologiese ondersoek van die plantgemeenskappe tussen die Krokodil en Matlabasrivier, met spesiale aandag aan die invloed van edafiese faktore op die verspreiding van houtagtige spesies. M.Sc. thesis, Potchefstroom University for CHE.
- HERBST, S.N., 1971. 'n Ekologiese plantopname van 'n gedeelte van die Oxbowpangegebied, Lesotho. M.Sc. (Agric.) thesis, University of the Orange Free State.
- HERRE, H., 1939. Vetplante van die Boesmanland wat in kalkgrond groei. *Cactussen Vetpl.* 5: 130-134.
- HERRE, H. & FRIEDRICH, H.C., 1959. Die geographische verbreitung der Ficoidaceae - Mesembryanthemoideae in Südafrika. 1. Aptenieae. *Mitt. bot. StSamml., Münch.*
- HERRE, H. & FRIEDRICH, H.C., 1961. Die geographische verbreitung der Ficoidaceae - Mesembryanthemoideae in Südafrika. 2. Ruschieae-Delosperminae. *Mitt. bot.*

- HEWITT, F.E., 1955. Studies of *Hypnea spicifera*. M.Sc. thesis, Rhodes University. pp. 96.
- HEYNS, A.J., 1957. Flora fenologie en regenerasie van 'n inheemse woudgemeenskap naby Stellenbosch. *Jl S. Afr. Bot.* 23: 111-120.
- HIERN, W.P., 1877. On the peculiarities and distribution of Rubiaceae in tropical Africa. *J. Linn. Soc., (Bot.)* 16: 248-280.
- HILDYARD, P., 1955. Preliminary report on a comparison of three grasses used as leys with special reference to production and soil structure. M.Sc. (Agric.) thesis, University of Natal.
- HILDYARD, P., 1968. A study of shoot growth and development in *Senecio retrorsus* DC. Ph.D. thesis, University of Natal.
- HITCHCOCK, A.S., 1929. The relation of grasses to man. *S. Afr. J. Sci.* 26: 133-138.
- HOBSON, S., 1896a. Deterioration of the veld. *Agric. J. Cape G. H.* 9: 491-492.
- HOBSON, S., 1896b. The mimosa. *Agric. J. Cape G. H.* 9: 628.
- HODGE, W.H., 1953. The drug aloes of commerce, with special reference to the Cape species. *Econ. Bot.* 7: 99-129.
- HODGETTS, W.J., 1926. Contributions to our knowledge of the freshwater algae of Africa. 6. Some freshwater algae from Stellenbosch, Cape of Good Hope. *Trans. R. Soc. S. Afr.* 13: 49-103.
- HOFMEYER, J., 1921. A note on the germination of the seed of *Elephantorrhiza burchellii*. *S. Afr. J. nat. Hist.* 3: 215-216.
- HOOKE, J.D., 1873. On *Melanthus trimenianus* H. f. and the affinities of *Greyia sunderlandi*. *J. Bot., Lond.* 11: 353-358.
- HOWARD-WILLIAMS, C., 1970. The ecology of *Becium homblei* in central Africa with special reference to metalliferous soils. *J. Ecol.* 58: 745-763.
- HOWARD-WILLIAMS, C., 1971a. Environmental factors controlling the growth of plants on heavy metal soils. *Kirkia* 8: 91-102.
- HOWARD-WILLIAMS, C., 1971b. Morphological variation between isolated populations of *Becium homblei* (De Wild.) DuRoi. & Plancke growing on heavy metal soils. *Vegetatio* 23: 141-151.
- HOWARD-WILLIAMS, C., 1972. Factors influencing copper tolerance in *Becium homblei*. *Nature, Lond.* 237: 171.
- HOWES, F.N., 1922. A new calcium chloride method of measuring the resistance of leaves to water loss. M.Sc. thesis, University of South Africa.
- HOWES, F.N., 1934. Development and distribution of the Rutaceae with special reference to the family in Africa. D.Sc. thesis, University of South Africa. pp. 153.
- HUBBARD, C.S., 1926. A review of the species of *Populus* introduced into South Africa. *S. Afr. J. Sci.* 23: 340-365.
- HUBBARD, C.S., 1937. Observations on the distribution and rate of growth of Clanwilliam Cedar, *Widdringtonia juniperoides* Endl. *S. Afr. J. Sci.* 33: 572-586.
- HUNTLEY, B.J., 1970. Altitudinal distribution and phenology of Marion Island vascular plants. *Tydskr. Natuurwet.* 10, 4.
- HUNTLEY, B.J., 1972. Aspects of grassland production and utilization on a northern Transvaal nature reserve. *J. sth. Afr. Wildl. Mgmt Ass.* 2, 2: 24-28.
- IMMELMAN, W.F.E., WICHT, C.L. & ACKERMAN, D.P. (eds), 1973. Our green heritage. Cape Town: Tafelberg. pp. 340.
- IRMSCHER, E., 1922. Pflanzenverbreitung und entwicklung der kontinente. *Mitt. Inst. allg. Bot., Hamb.* 5: 17-235.
- IRMSCHER, E., 1929. Pflanzenverbreitung und entwicklung der kontinente. *Mitt. Inst. allg. Bot., Hamb.* 8: 169-374.
- ISAAC, W.E., 1938. The geographical distribution of seaweed vegetation in relation to temperature and other factors with special reference to South Africa. *Int. geogr. Congr.* 2, 7: 12.
- ISAAC, W.E., 1949. Studies of South African seaweed vegetation. 2. South coast: Rooi Els to Gansbaai with special reference to Gansbaai. *Trans. R. Soc. S. Afr.* 32: 125-160.
- ISAAC, W.E., 1951. Observations on the ecology of *Bifurcaria brassicaeformis* (Kütz.) Barton. *J. Ecol.* 39: 94-105.
- ISAAC, W.E., 1953. South African seaweed vegetation and further investigations in this field. *Jl S. Afr. Bot.* 19: 59-71.
- ISAAC, W.E., 1956a. The ecology of *Gracilaria confertifera* (L.) Grev. in South Africa with special reference to its ecology. *Int. Seaweed Symp.* pp. 173-185.
- ISAAC, W.E., 1956b. Marine algae of Inhaca Island and of the Inhaca Peninsula. *Jl S. Afr. Bot.* 22: 161-193.
- ISAAC, W.E., 1957. Some marine algae from XaiXai. *Jl S. Afr. Bot.* 23: 75-102.
- ISAAC, W.E., 1959. Comments on the seaweed flora and vegetation of Inhaca. *S. Afr. J. Sci.* 55: 181-183.
- ISAAC, W.E., 1973. Seaweeds and related plants. In *Standard encyclopedia of southern Africa*, pp. 561-565. Cape Town: Nasou.
- ISAAC, W.E. & CHAMBERLAIN, Y.M., 1958. Marine algae of the Inhaca Island and of the Inhaca Peninsula. 2. *Jl S. Afr. Bot.* 24: 123-155.
- ISAAC, W.E. & HEWITT, F., 1953. The morphology, geographical distribution and ecology of *Hypnea spicifera* (Suhr.) Harv. *Jl S. Afr. Bot.* 19: 73-84.
- JACKSON, G., 1968. The vegetation of Malawi. 2. The *Brachystegia* woodlands. 10. The *Brachystegia* with evergreen understory. *Soc. Malawi J.* 21: 11-19.
- JACKSON, G., 1974. Cryptogean germination and other seedling adaptations to the burning of vegetation in savanna region: the origin of the pyrophytic habit. *New Phytol.* 73: 771-789.
- JACOBSEN, W.B.G., 1967. The influence of the copper content of the soil on trees and shrubs of Molly South Hill, Mangula. *Kirkia* 6: 63-84.
- JACOT GUILLARMOD, A., 1958. Temperature variations in male cones of *Encephalartos*. *Nature, Lond.* 182: 474.
- JACOT GUILLARMOD, A., 1959. Variations of temperature in male cones of *Encephalartos alensteinii* Lehm. *Jl S. Afr. Bot.* 25: 93-99.
- JANKOWITZ, W.J., 1975. Aloes of South West Africa. Windhoek: Administration of South West Africa, Division of Nature Conservation and Tourism. pp. 61.
- JANSEN VAN RYSSSEN, F.W. & GROBBELAAR, N., 1970. The nodulating and nitrogen fixing ability of South African *Myrica* species. *S. Afr. J. Sci.* 66: 22-25.
- JARMAN, N.G., 1973. An investigation into the mapping of kelp beds off the west coast of South Africa using ERTS-1 imagery. In Malan, O.G. (ed.). To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 24-25.
- JARMAN, P.J. & THOMAS, P.L., 1969. Observations on the distribution and survival of Mopane (*Colophospermum mopane* (Kirk ex Benth.) Kirk ex J. Léonard) seeds. *Kirkia* 7: 103-107.
- JEPPE, B., 1969. South African aloes. Cape Town: Purnell.
- JEPPE, B., 1975. Natal wild flowers. Cape Town: Purnell.
- JOFFE, A. & TIDMARSH, C.E.M., 1961. The use of controlled environments for plant growth studies. *Jl S. Afr. biol. Soc.* 2: 29-35.
- JOHANSSON, E.Y., 1963. Ferns and fern allies of Transvaal. *Fauna Flora, Pretoria* 14: 54-87.
- JOHNSON, E. & LEACH, L.C., 1963. *Euphorbia* species from the Flora Zambesiaca area. *Kirkia* 3: 34.
- JONES, R.M., 1963. Preliminary studies of the germination of seed of *Acacia cyclops* and *Acacia cyanophylla*. *S. Afr. J. Sci.* 59: 296-298.
- JONES, R.M., 1968. Seed production of species in the Highveld secondary succession. *J. Ecol.* 56: 661-666.
- JONG, K. & ROUX, E.R., 1955. A further investigation of the nitrogen sensitivity of veld grasses. *S. Afr. J. Sci.* 52: 27-28.
- JORDAAN, P.G., 1949. Aantekeninge oor die voortplanting en brandperiodes van *Protea mellifera* Thunb. *Jl S. Afr. Bot.* 15: 121-125.
- JORDAAN, P.G., 1965. Die invloed van 'n winterbrand op die voortplanting van vier soorte van die Proteaceae. *Tydskr. Natuurwet.* 5: 27-31.
- JORDAAN, P.G., 1971. Die remming van saadverspreiding in dorre streke. *J. bot. Soc. S. Afr.* 57: 24-29.
- JORDAN, R.J., 1943. Transplanting of grasses. Some observations. *S. Afr. J. Sci.* 40: 153-156.
- JUDD, E., 1967. What aloe is that? Cape Town: Purnell.
- JURITZ, C.F., 1914. South African plant poisons and their investigation. *S. Afr. J. Sci.* 11: 109-145.
- JURITZ, C.F., 1917. The grasses of the eastern coast belt available for the manufacture of paper. *S. Afr. J. Sci.* 14: 482.
- KAPP, C.J., 1941. 'n Studie van diatome in die omgewing van Pretoria. M.Sc. thesis, University of Pretoria. pp. 96.

- KARSTEN, M.C., 1935. South African succulents in their habitat. *Cactus J.* 3: 67-69.
- KEET, J.D.M., 1925. Trees and shrubs for the bushveld portions of the Pretoria, Rustenburg and Waterberg districts of the Transvaal. *J. Dep. Agric. Un. S. Afr.* 10: 306-323.
- KEET, J.D.M., 1951. Check-list of trees of the Okavango native territory. *Jl S. Afr. For. Ass.* No. 20, pp. 106-107.
- KEET, J.D.M., 1961. Stinkwood stories. *Jl S. Afr. For. Ass.* No. 38, pp. 34-35.
- KELLER, P., 1960. Bacteriological aspects of pollution in the Jukskei-Crocodile River system in the Transvaal, South Africa. *Hydrobiologia* 14: 205-254.
- KELLY, R.D., 1973. A comparative study of primary productivity under different kinds of landuse in south-eastern Rhodesia. Ph.D. thesis, University of London.
- KENNARD, D.G. & WALKER, B.H., 1973. Relationships between tree canopy cover and *Panicum maximum* in the vicinity of Fort Victoria. *Rhod. J. agric. Res.* 11: 145-153.
- KERFOOT, O., 1963. The root systems of tropical forest trees. *Commonw. For. Rev.* 42: 19-26.
- KERFOOT, O., 1966. Distribution of the Coniferae: the Cupressaceae in Africa. *Nature, Lond.* 212: 961.
- KERS, L.E., 1967. The distribution of *Welwitschia mirabilis* Hook.f. *Svensk bot. Tidskr.* 61: 97-125.
- KERS, L.E., 1969. On *Sphaeranthus similis* Kers sp. nov. *S. epigaeus* Schinz and *S. stuhlmannii* O. Hoffm. (Compositae) with notes on their distribution, branching and growth habit. *Dinteria* 2: 3-12.
- KIES, P., 1948. Acacias and shrubs at Wonderboom. *Afr. wild Life* 2: 52-57.
- KILLICK, D.J.B., 1969. A new grass from Lesotho. *Afr. wild Life* 23: 47-53.
- KILLICK, D.J.B. & DE WINTER, B., 1965. Thorn trees of the Lowveld. *Lantern* 15, 2: 153-157.
- KING, L.C., 1952. Vegetation patterns revealing former Kalahari dune-sands in Southern Rhodesia. *S. Afr. J. Sci.* 48: 374-375.
- KING, N.L., 1964a. Trees, shrubs and climbers in Kloof - Hillcrest area. *S. Afr. For. J. No.* 50, pp. 5-21.
- KING, N.L., 1964b. Trees, shrubs and climbers in Kloof - Hillcrest area. Part 2. *S. Afr. For. J. No.* 51, pp. 4-19.
- KING, R.D., 1975. An investigation into the phytoplankton of selected areas of Lake Kariba. M.Sc. thesis, University of the Witwatersrand.
- KOELEMAN, A., 1973. Transvaal's big trees. *Fauna Flora, Pretoria* 23: 10-15.
- KORNAS, J., 1974. The Pteridophyta of the Kundahla Falls, Zambia. *Acta Soc. Bot. Pol.* 43: 479-483.
- KORNAS, J., 1975. Tuber production and fire-resistance in *Lycopodium carolinianum* L. in Zambia. *Acta Soc. Bot. Pol.* 44: 653-663.
- KOTZE, J.J., 1926. *Pinus patula*, Schlecht. & Cham., its introduction into and growth in South Africa. *S. Afr. J. Sci.* 23: 455-466.
- KOTZE, J.J., 1943. Nomenclature of the South African yellowwoods: introduction with notes on distribution. *Jl S. Afr. For. Ass.* No. 10, pp. 23-25.
- KRUGER, T.J., 1973. Bome, struik en rankplante. *Bethal: Kruger*, pp. 570.
- LANDMAN, J., 1966. 'n Monographiese studie van die inheemse spesies van die genus *Sterculia* Linn. M.Sc. thesis, University of Pretoria.
- LAUGHTON, E.M., 1964. Occurrence of fungal hyphae in young roots of South African indigenous plants. *Bot. Gaz.* 125: 38-40.
- LAUGHTON, F.S., 1937. The effects of soil and climate on the growth and vigour of *Pinus radiata* D. Don in South Africa. *S. Afr. J. agric. Sci.* 33: 589-604.
- LAUNERT, E., 1958. Systematische und arealkundliche bearbeitung einiger pflanzenfamilien Sudwesafrikas. Ph.D. thesis, University of Ludwig-Maximilians, München.
- LAWTON, R.M., 1964. The ecology of the *Marquisia acuminata* (Gilg) R.E.Fr. evergreen forests and the related chipya vegetation types of north-east Rhodesia. *J. Ecol.* 52: 467-479.
- LAWTON, R.M., 1967a. Bush encroachment in Zambia. *Pestic. Abstr. Ser. B* 13,4: 335-353.
- LAWTON, R.M., 1967b. The conservation and management of the riparian evergreen forests of Zambia. *Emp. For. Rev.* 46: 223-232.
- LE ROUX, J.H., 1945. An investigation into various aspects of the water relations of certain grasses. M.Sc. thesis, University of the Witwatersrand.
- LEACH, L.C., 1968. *Euphorbiae succulentae Angolensis*. *Bolm Soc. broteriana* 42: 161.
- LEACH, L.C., 1973. *Euphorbia* species from the Flora Zambeziaca area. 10. *Jl S. Afr. Bot.* 39,1: 2-22.
- LEACH, L.C., 1974. *Euphorbiae succulentae Angolensis*. 4. Garcia de Orta, ser. Bot. 2: 31-54.
- LEACH, L.C., 1975. *Euphorbia* species from the Flora Zambeziaca area. 11. *Kirkia* 10: 293.
- LECATSAS, G., 1961. Some aspects of the ecology of *Stoebe vulgaris*. M.Sc. thesis, University of the Witwatersrand.
- LECATSAS, G., 1962. Solar radiation as a factor in the establishment of *Stoebe vulgaris*. *S. Afr. J. Sci.* 58: 304-306.
- LEEMANN, A.C., 1935. The eradication of Gifblaar. *Fmg S. Afr.* 10: 233-236.
- LEEMANN, A.C., 1938. Contribution a l'etude de *Dichapetalum cymosum* (Hook.) Engl. et de l'ecologie du Transvaal. *Bull. Soc. Bot. Geneve* 29: 73-134.
- LEGAT, C.E., 1910. Trees of the North-Eastern Transvaal. *Kew Bull.* 2: 49-55.
- LEIGH, J.H., 1960a. Some aspects of the anatomy, ecology and physiology of *Eragrostis*. Ph.D. thesis, University of the Witwatersrand.
- LEIGH, J.H., 1960b. Temperature, moisture and daylength effects in lovegrass (*Eragrostis curvula*). *S. Afr. J. Sci.* 56: 268-269.
- LEIGH, J.H., 1961. Low-temperature injury in lovegrass, *Eragrostis curvula* (Schrad) Nees. *Nature, Lond.* 189: 415-416.
- LEIGHTON, J., 1918. Some suitable material for papermaking. *S. Afr. J. Sci.* 15: 287-289.
- LEISTNER, O.A., 1961. Zur verbreitung und oekologie der baume der Kalahari dunen. *Jl S.W. Africa scient. Soc.* 15: 35-40.
- LEISTNER, O.A., 1971. Trees and shrubs of the Willem Pretorius Nature Reserve. Bloemfontein: Provincial Administration of the Orange Free State. pp. 27.
- LEVYNS, M.R., 1927. A preliminary note on the Rhenoster Bush (*Elytropappus rhinocerotis*) and the germination of its seed. *Trans. R. Soc. S. Afr.* 14: 383-388.
- LEVYNS, M.R., 1929. Sea weeds of the Cape Peninsula. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 96-98. Cape Town: Speciality Press.
- LEVYNS, M.R., 1930a. Floral evolution and geographical distribution in *Lobostemon*. *S. Afr. J. Sci.* 27: 317-322.
- LEVYNS, M.R., 1930b. The Rhenoster bush. *J. Bot. Soc. S. Afr.* 16: 14-15.
- LEVYNS, M.R., 1935. Germination in some South African seeds. *Jl S. Afr. Bot.* 1: 161-170.
- LEVYNS, M.R., 1954. Some geographical features of the family Polygalaceae in Southern Africa. *Trans. R. Soc. S. Afr.* 34: 379-386.
- LEVYNS, M.R., 1956. Notes on the biology and distribution of the Rhenoster bush. *S. Afr. J. Sci.* 52: 141-143.
- LEVYNS, M.R., 1958. The phytoecology of members of Proteaceae in Africa. *Jl S. Afr. Bot.* 24: 1-9.
- LEVYNS, M.R., 1962. Past plant migrations in South Africa. *Ann. Cape. Prov. Mus.* 2: 7-10.
- LEVYNS, M.R., 1964. Migrations and origins of the Cape flora. *Trans. R. Soc. S. Afr.* 37: 85-107.
- LEVYNS, M.R., 1966. *Haemanthus canaliculatus*, a new fire-lily from the western Cape Province. *Jl S. Afr. Bot.* 32: 73-75.
- LEVYNS, M.R., 1972. The natural vegetation of the University grounds forty years ago and records of the soil temperatures. *Contr. Bolus Herb.* 5: 79-104.
- LEWIS, O.A.M. & NAIDOO, G., 1970. Tidal influence on the apparent transpirational rhythm of the white mangrove. *S. Afr. J. Sci.* 66: 268-270.
- LEWIS, O.A.M. & STOCK, W.D., 1975. A preliminary study of the nitrogen nutritional status of members of the South Africa Proteaceae. *Jl S. Afr. Bot.* 44: 143-151.

- LIGHTFOOT, C., 1973. Common veld grasses of Rhodesia. Salisbury: Natural Resources Board. pp. 131.
- LINDIGER, L., 1909. Die wirtschaftliche Bedeutung der Baumaloe für Deutsch-Südwestafrika. Jb. hamb. wiss. Anst. 26,3: 47-58.
- LIVERSIDGE, R., 1970. Identification of grazed grasses using epidermal characters. Proc. Grassld Soc. sth. Afr. 5: 153-165.
- LIVERSIDGE, R., 1972. A preliminary study on fruit production in certain plants. Ann. Cape Prov. Mus. 9: 51-63.
- LONG, F.R., 1935. Aloes and the local succulent flora of Port Elizabeth. Cactus J. 4: 5-6.
- LONG, F.R., 1936. Some succulents of the Port Elizabeth district. Cactus Succ. J., Los Ang. 7: 67-69.
- LOOCK, E.E.M., 1951. A key to the trees and woody shrubs of the forests of the Knysna region. JI S. Afr. For. Ass. No. 20, pp. 81-105.
- LOPES, H.C., DE CARVALHO, M.F. & OLIVIERA, J.S., 1971. Plantas alimentares de Mocambique. 2. Frutos silvestres. Agron. Mocam. 5: 107-115.
- LOUWRENS, B.A., 1964. Some mushrooms of the Transvaal. Fauna Flora, Pretoria 15: 3-16.
- LOW, J.G., 1969. Aspects of the morphological development of *Themeda triandra* Forssk. and the *Eragrostis curvula*-*E. chloromelas* complex. M.Sc. (Agric.) thesis, University of Pretoria.
- LUCKHOFF, H.A., 1965. The South African Widdringtonias. Afr. wild Life 19: 63-71.
- LUCKHOFF, H.A., 1971. The Clanwilliam Cedar (*Widdringtonia cedarbergensis* Marsh): its past history and present status. J. bot. Soc. S. Afr. 57: 17-23.
- MACNAE, M.M., 1962. Common trees and shrubs of the Melville Koppies Nature Reserve. Guide Book. Part 1. Johannesburg: Council for Natural History.
- MACNAE, W., 1963. Mangrove swamps in South Africa. J. Ecol. 51: 1-25.
- MACNAE, W. & KALK, M., 1962a. The ecology of the mangrove swamps at Inhaca Island, Mocambique. J. Ecol. 50: 19-34.
- MACNAE, W. & KALK, M., 1962b. The fauna and flora of the sand flats at Inhaca Island, Mocambique. J. Anim. Ecol. 31: 93-128.
- MAHESHWARI, J.K., 1971. The baobab tree: disjunctive distribution and conservation. Biol. Conserv. 4: 57-60.
- MALAISSE, F.P., 1974. Phenology of the Zambezi woodland area with emphasis on the miombo ecosystem. In Leith, H. (ed.), Phenology and seasonality modelling. New York: Chapman & Hall.
- MAPPLEDORAM, B. & THERON, E.P., 1970. Notas oor die relatiewe voortreflikheid van vier kultivars van *Eragrostis curvula* in Natal. Proc. Grassld Soc. sth. Afr. 5: 121-125.
- MAPPLEDORAM, B.D. & THERON, E.P., 1972. Notas oor die aanpassingsvermoe van verskeie tropiese peulplante in verskillende omgewings in Natal. Proc. Grassld Soc. sth. Afr. 7: 84-86.
- MARASAS, W.F.O., 1973. Collection and naming of South African fungi. Agric. Res., Pretoria, pp. 32.
- MARITZ, S., 1925. Investigation of the evergreen or deciduous habit of South African trees and their distribution. M.Sc. thesis, University of South Africa.
- MARLOTH, R., 1890. Some adaptations of South African plants to the climate. Trans. S. Afr. phil. Soc. 6: 31-38.
- MARLOTH, R., 1895. On the means of the distribution of seeds in the South African flora. Trans. S. Afr. phil. Soc. 7: 74-78.
- MARLOTH, R., 1907. On some aspects in the vegetation of South Africa which are due to the prevailing winds. Rep. S. Afr. Ass. Advmt Sci. 3: 215-218.
- MARLOTH, R., 1908. Some observations on the entomophilous flowers. Rep. S. Afr. Ass. Advmt Sci. 5: 110-113.
- MARLOTH, R., 1910. Notes on the absorption of water by aerial organs of plants. Trans. R. Soc. S. Afr. 1: 429-433.
- MARLOTH, R., 1915a. The effects of droughts and of some other causes on the distribution of plants in the Cape region. S. Afr. J. Sci. 12: 383-390.
- MARLOTH, R., 1915b. Note on the entomophilous nature of *Encephalartos*. Trans. R. Soc. S. Afr. 4: 69-71.
- MARLOTH, R., 1924a. Observations on the Cape flora. S. Afr. J. nat. Hist. 4: 334-344.
- MARLOTH, R., 1924b. Stone shaped plants. S. Afr. J. nat. Hist. 6: 273-280.
- MARR, R.S., 1962. The genus *Lantana* with special reference to *Lantana camara*. Botanical Research Institute library, Pretoria, pp. 74.
- MARTIN, P.M.D., 1960. A study of certain members of the South African Xylariaceae with reference to the use of cultural characters in classification. M.Sc. thesis, Rhodes University.
- MATTICK, F., 1970. Flechten bestände der Nebelwüste und wonderflechten der Namib. Namib und Meer 1: 35-43.
- MAUVE, A.A., 1965. The South African species of *Potamogeton*. News Lett. Limnol. Soc. sth. Afr. 2,1: 27-35.
- MCCLEAN, A.P.D., 1923. The water requirements and transpiration of a common Natal weed, *Bidens pilosa* L. M.Sc. thesis, University of South Africa.
- MCCLOUNIE, J., 1896. Cedar tree of Mount Mlanje. Bull. misc. Inf. R. bot. Gdns, Kew, pp. 216-217.
- MCGUIRE, L.P., 1922. The measurement of light intensities in South Africa with special reference to plant habitats. M.Sc. thesis, University of South Africa.
- MCKAY, A.D., 1968. Rangeland productivity in Botswana. E. Afr. agric. For. J. 34: 178-193.
- MCKEN, M.J., 1869. The ferns of Natal. Pietermaritzburg: Davis. pp. 26.
- MEIDNER, H.A., 1950. A dial instrument for the continuous determination of leaf turgor changes in the field. M.Sc. thesis, University of Natal.
- MEIDNER, H.A., 1952. An instrument for measuring changes in leaf thickness. S. Afr. J. Sci. 48: 210-211.
- MEIDNER, H.A., 1955. Studies of leaf water relations. Ph.D. thesis, University of Natal.
- MEIKLEJOHN, J., 1968. Nitrogen-fixers-Pseudomonads and other aerobic bacteria from Rhodesian soils. J. gen. Microbiol. 50: 487-496.
- MEISSNER, R., 1964. Gifblaar meets its match. Fmg S. Afr. 40,9: 45-49.
- MES, M.G., 1952. The influence of some climatic factors on the growth and seed production of grasses. In Veld gold: a South African book of grassland farming, pp. 35-51. Johannesburg: National Veld Trust.
- MES, M.G., 1953. Excretion (recretion) of phosphorus and other mineral elements by leaves under the influence of rain. S. Afr. J. Sci. 50: 167-172.
- MES, M.G., 1957. Effects of veld burning on grass. Farmer's Weekly, Bloemfontein, 10 July p. 28.
- MES, M.G., 1958. The influence of veld burning and mowing on the water, nitrogen and ash content of grasses. S. Afr. J. Sci. 54: 83-86.
- MES, M.G., 1959. The influence of night temperature and day length on the growth, nodulation, nitrogen assimilation and flowering of *Stizolobium deeringianum* (Velvet Bean). S. Afr. J. Sci. 55: 35-38.
- MES, M.G. & AYMER-AINSLIE, K.M., 1935. Studies on the water relations of grasses. 1. *Themeda triandra* Forssk. S. Afr. J. Sci. 32: 280-304.
- MES, M.G. & BOT, G.M., 1938. Studies on the water relations of grasses. 2. Correlations between sugar content and daily variations in water content of the leaves of *Themeda triandra* Forssk. S. Afr. J. Sci. 35: 305-316.
- MES, M.G. & DE VILLIERS, E., 1944. The "Gousiekte bossie". A study of the morphology, physiology and eradication of *Pachystigma pygmaeum* (Schltr.) Robyns. Bull. Dep. Agric. For. Un. S. Afr. No. 245, pp. 52.
- MEYER, G.F., 1955. The genus *Valeriana* in east, tropical and South Africa. J. Linn. Soc. (Bot.) 55: 761-771.
- MEYER, P.G. 1957. Beitrag zur kenntnis der Acanthaceen Südwestafrikas. Mitt. bot. StSamml. Münch. 3: 605-609.
- MILLER, O.B., 1926. Mangroves at Sordwana Bay, Northern Zululand. S. Afr. J. nat. Hist. 6: 54-55.
- MILLER, O.B., 1949. Flowering periodicity in some woody plants of the Southern Bechuanaland Protectorate. JI S. Afr. Bot. 15: 49-58.
- MILLER, R.G., 1952. A girth increment study in *Baikiaea plurijuga* in Northern Rhodesia with reference to the

- determination of age and rotations for species without annual growth rings in irregular natural forest. *Emp. For. Rev.* 31: 45-52.
- MITCHELL, A.D., 1961. Random notes on stinkwood (*Ocotea bullata*). *Jl S. Afr. For. Ass. No. 36*, pp. 11-13.
- MITCHELL, D.S., 1970. Autecological studies of *Salvinia auriculata* Aubl. Ph.D. thesis, University of London. pp. 669.
- MITCHELL, D.S., 1971. Factors influencing the explosive growth of floating aquatic weeds in tropical areas. *Rhod. Sci. News* 5: 17-19.
- MITCHELL, D.S., 1972. The Kariba weed: *Salvinia molesta*. *Fern Gaz.* 10,5: 251-252.
- MITCHELL, D.S., 1973. Supply of plant nutrient chemicals in Lake Kariba. In Ackerman, W.C., White, G.F. & Worthington, E.B. (eds), *Man-made lakes: their problems and environmental effects*. pp. 165-169. Washington: Amer. Geophys. Union.
- MITCHELL, D.S. & TUR, N.M., 1975. The rate of growth of *Salvinia molesta* (S. *auriculata* Aubl.) in laboratory and natural conditions. *J. appl. Ecol.* 12: 213-225.
- MITCHELL, D.T., 1970. Fungus succession on dung of South African ostrich and angora goat. *Jl S. Afr. Bot.* 36: 191-198.
- MOGG, A.O.D., 1921. A method of veld estimation. *S. Afr. J. Sci.* 17: 222-226.
- MOGG, A.O.D., 1930. An autecological note on the poisonous "Gifblaar" *Dichapetalum cymosum* (Hook.) Engl. *S. Afr. J. Sci.* 27: 368-375.
- MOGG, A.O.D., 1956. The Wonderboom: botanical and historical features. *Fauna Flora, Pretoria* 7: 23-33.
- MOGG, A.O.D., 1963. A preliminary investigation of the significance of salinity in the zonation of species in salt-marsh and mangrove swamp associations. *S. Afr. J. Sci.* 59: 81-86.
- MOISEL, L., 1971. Beobachtungen an einigen Namibpflanzen und ihrer Wasserversorgung. *Namib und Meer* 2: 65-75.
- MOLL, E.J., 1970. St Lucia's Mangroves. *Natal Wildlife* 11,3: 10-12.
- MOLL, E.J., 1972. The distribution, abundance and utilization of the Lala Palm, *Hyphaene natalensis*, in Tongaland, Natal. *Bothalia* 10: 627-636.
- MOLL, E.J., 1975. Some new and some recent tree records from Natal. *Veld & Flora* 61: 15-19.
- MOLL, E.J. & MORRIS, J.W., 1968. Notes on a cycad community and associated vegetation in Natal. *Jl S. Afr. Bot.* 34: 331-343.
- MOLL, E.J., WARD, C.J., STEINKE, T.D. & COOPER, K.H., 1971. Our mangroves threatened. *Afr. wild Life* 25: 103-107.
- MONTEIRO, M.I., 1963. Segunda contribuicao para o estudo das diatomaceas do Lago Niassa (Mozambique). *Estudos Ensaios, Docum. Jta Invest. Ultramar* 106: 1-108.
- MORRIS, B., 1965. Epiphytic orchids of the Limbuli stream, Mlanje. *Soc. Malawi J.* 18: 59-70.
- MORRIS, B., 1967. The wild flowers of Mlanje Mountain. Part 2. *Afr. wild Life* 21: 152-157.
- MORRIS, B., 1968a. The epiphytic orchids of Malawi. *Soc. Malawi J.* 21: 1-3.
- MORRIS, B., 1968b. The epiphytic orchids of the Shire Highlands, Malawi. *Proc. Linn. Soc. Lond.* 179: 51-66.
- MORRIS, J., 1945. The Vermeerbos problem in Griqualand West. *Fmg S. Afr.* 19: 591-594.
- MOSS, M., 1937. A preliminary account of the "Sea Grasses" of Delagoa Bay. *S. Afr. J. Sci.* 33: 344-345.
- MOSTERT, J.W.C., 1945. Fisiologies-ekologiese studies in verband met vier Wes-Transvaalse grassoorte. M.Sc. thesis, Potchefstroom University for CHE.
- MUIR, J., 1937. The seed drift of South Africa and some influences of ocean currents on the strand vegetation. *Mem. bot. Surv. S. Afr. No. 16*, pp. 108.
- MUNDY, H.G., 1907. The spread of injurious weeds. *Transv. agric. J.* 5: 939-944.
- MUNRO, C.F.H., 1906. Grasses in Rhodesia. *Proc. Trans. Rhod. scient. Ass.* 6: 5-18.
- MUNRO, H.K., 1963. Trypetidae (Diptera) associated with the plant *Monechma* (Acanthaceae) in the Kalahari Gemsbok National Park. *Koedoe* 6: 51-65.
- MURRAY, J.M., 1939. An investigation of the interrelationships of the vegetation, soils and termites. *S. Afr. J. Sci.* 35: 288-297.
- MURRAY, J.M., 1940. Observations on the more important veld grasses of the Pretoria district. Their seasonal variations and the changes brought about by several systems of grazing management. M.Sc. thesis, University of the Witwatersrand.
- MURRAY, S.M. & GLOVER, P., 1935. A preliminary study of the root development of certain South African highveld grasses. *Jl S. Afr. Bot.* 1: 65-70.
- NÄNNI, U.W., 1960. Root distortion of young *Pinus patula* trees at Cathedral Peak. *Jl S. Afr. For. Ass. No. 34*, pp. 13-22.
- NEES AB ESENBECK, C.G.D., 1841. *Florae Africae australioris illustrationes monographicae. 1. Gramineae. Glogaviae: Prausnitzianis*. pp. 490.
- NEL, G.C., 1947. *Lithops*, plantae succulentae, rarissimae, in terra obscuratae, e familia Aizoaceae, ex Africa australi. Cape Town: University of Stellenbosch. pp. 178.
- NEL, G.C., 1953. *The Gibbaeum handbook*. London: Blandford Press.
- NEL, P.M., 1965. The breeding of eucalypts in South Africa. *S. Afr. For. J.* 54: 17-21.
- NICHOLSON, H.B., 1968. Notes from the Natal South Coast. 4. *Trees S. Afr.* 20: 38-46.
- NICHOLSON, H.B., 1970a. Notes on the trees of Tongaland. 1. *Trees S. Afr.* 22: 6-22.
- NICHOLSON, H.B., 1970b. Notes on the trees of Tongaland. 2. *Trees S. Afr.* 22: 30-46.
- NICHOLSON, H.B., 1970c. Notes on the trees of Tongaland. 3. *Trees S. Afr.* 22: 58-70.
- NICHOLSON, H.B., 1971. Notes on Mlanje cedar and some other trees of the Mlanje mountains in Malawi. *Trees S. Afr.* 23: 58-68.
- NOLDE, I., 1940. Beobachtungen uber laubfall und lauberneuerung an tropischen Baumen un Hochland von Quela (Angola). *Bot. Jb.* 71: 233-248.
- NORDENSTAM, B., 1966. *Euryops* in South West Africa. *Bot. Notiser* 119: 475-485.
- NORLINDH, T., 1946. Studies in the Calenduleae. 2. *Phytogeography and interrelation. Bot. Notiser* 99: 471-506.
- NORTHEY, V.R., 1974. Indigenous trees on the Twelve Apostles. *Jl bot. Soc. S. Afr.* 60: 34-39.
- NURSEY, W.R.E., 1970. Management of *Geigeria*-infested veld in Griqualand West. *Proc. Grassld Soc. sth. Afr.* 5: 42-49.
- NYENHUIS, E.M., 1936. The transpiration stream and its relation to tapworked trees. *Pamph. S. Afr. biol. Soc. No. 9*, pp. 15-16.
- NYGAARD, G., 1932. Contributions to our knowledge of the freshwater algae of Africa. Freshwater algae and phytoplankton from the Transvaal. *Trans. R. Soc. S. Afr.* 20: 101-148.
- OBERMEIJER, A.A., 1933. A note on the distribution of *Copaifera mopane* Kirk. *S. Afr. J. Sci.* 30: 266-269.
- OBERMEYER, A.A., 1967. The identity of *Fritillaria nana*. In Notes and new records of African plants. *Bothalia* 9: 345.
- OBERMEYER-MAUVE, A.A., 1966. A note on two rarely seen minute flowering plants, *Wolffiella denticulata* and *W. welwitschii*. *S. Afr. J. Sci.* 62: 277-278.
- OGILVIE, B.M.L., 1935. Investigations on a field method for measurement of the transpiration rate of grasses. M.Sc. thesis, University of South Africa.
- OPPERMAN, D.P.J. & LA GRANGE, L.F., 1969. Gifblaar control in South-West Africa. *Fmg S. Afr.* 45,2: 9,11 & 13.
- OPPERMAN, D.P.J. & ROBERTS, B.R., 1975. Evapo-transpiration studies on *Themeda triandra* under field conditions: a study in lysimeter methodology. *Proc. Grassld Soc. sth. Afr.* 10: 103-109.
- OPPERMAN, D.P.J., ROBERTS, B.R. & NEL, L.O., 1974. *Elyonurus argenteus* Nees - a review. *Proc. Grassld Soc. sth. Afr.* 9: 123-131.
- ORCHARD, E.R., 1952. A note on the calcium content of some highly productive pastures in Natal. *S. Afr. J. Sci.* 48: 232-234.
- ORPEN, F.L., 1951. Botanical-vernacular and vernacular-botanical names of some trees and shrubs in Matabeleland. *Rhodesia agric. J.* 48: 165-181.

- OSBORN, J.B. & OSBORN, E., 1931. Studies on the germination of the seed of the Black Wattle (*Acacia mollissima*) and the Green Wattle (*Acacia decurrens normalis*). S. Afr. J. Sci. 28: 222-237.
- PAGE, M.I., 1945. A first contribution to the root ecology of certain communities: lower secondary successional stages. M.Sc. thesis, University of the Witwatersrand.
- PALMER, E. & PITMAN, N., 1961. Trees of South Africa. Cape Town: Balkema. pp. 350.
- PALMER, E. & PITMAN, N., 1972. Trees of Southern Africa. Vol. 1. Cape Town: Balkema. pp. 1-703.
- PALMER, E. & PITMAN, N., 1973a. Trees of Southern Africa Vol 2. Cape Town: Balkema. pp. 704-1495.
- PALMER, E. & PITMAN, N., 1973b. Trees of Southern Africa. Vol 3. Cape Town: Balkema. pp. 1496-2235.
- PAPENFUS, G.F., 1940. Notes on South African marine algae. J. Bot. Notiser 93: 200-226.
- PAPENFUS, G.F., 1968. Notes on South African marine algae. 5. J. S. Afr. Bot. 34: 267-287.
- PAPPE, L., 1857. Florae capensis medicae prodomus; or an enumeration of the South African indigenous plants used as remedies by colonists of Cape of Good Hope. 2nd edn. Cape Town: W. Brittain.
- PAPPE, L. & RAWSON, R.W., 1858. Synopsis filicum Africae Australis; or an enumeration of the South African ferns hitherto unknown. Cape Town: Solomon.
- PARDY, A.A., 1951. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia agric. J. 48: 261-266, 312-322, 369-406 & 500-510.
- PARDY, A.A., 1952. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia agric. J. 49: 6-16, 74-84, 170-175, 215-220, 254-259 & 316-317.
- PARDY, A.A., 1953. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia agric. J. 50: 4-6, 152-153, 186-187, 324-326, 365-367 & 462-464.
- PARDY, A.A., 1954. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia agric. J. 51: 4-6, 109-113, 170-173, 271-274, 375-378 & 489-492.
- PARDY, A.A., 1955. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia agric. J. 52: 35-38, 152-155, 234-237, 330-334, 413-416 & 513-516.
- PARDY, A.A., 1956. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia agric. J. 53: 51-65, 205-217, 424-438, 507-524, 615-636 & 952-965.
- PARADES, J.F., 1968. Studies on cultures of marine phytoplankton. 3. Chlorophycean *Micrononas squamata* Manton & Parke. (Brackish water). Mem. Inst. Invest. cient. Mocamb. 9A: 249-292.
- PARTRIDGE, T.C., BRINK, A.B.A. & MALLOWS, E.W.N., 1973. Morphological classification and mapping as a basis for development planning. S. Afr. geogr. J. 55: 69-80.
- PAYN, J.A., 1936. Transpiration studies of a sclerophyll *Gymnosporia buxifolia* (L.) Szyszyl. M.Sc. thesis, University of South Africa.
- PEALING, H., 1918. On the effect of vegetation on the rainfall of South Africa. S. Afr. J. Sci. 15: 142-145.
- PEARSON, H.H.W., 1905. South African Verbenaceae. Trans. S. Afr. phil. Soc. 15: 175-182.
- PEARSON, H.H.W., 1906. Notes on some South African cycads. Trans. S. Afr. phil. Soc. 16: 341-355.
- PEARSON, H.H.W., 1907a. Some notes on a journey from Walfish Bay to Windhuk. Bull. misc. R. bot. Gdns Kew 9: 339-360.
- PEARSON, H.H.W., 1907b. Some observations of *Welwitschia mirabilis* Hook. Phil. Trans. R. Soc. Ser. B. 198: 265-304.
- PEARSON, H.H.W., 1907c. The living *Welwitschia*. Nature, Lond. 75: 536-537.
- PEARSON, H.H.W., 1907d. Some South African cycads, their habitats, habits and associates. Rep. Br. Ass. Admt Sci. 5: 738-749.
- PEARSON, H.H.W., 1908. Some observations in the *Welwitschia* desert. Rep. S. Afr. Ass. Advmt Sci. 5: 116-117.
- PEARSON, W.H., 1886. Hepaticae Natalenses; a clarissima domina Helene Bertelsen missae. Christiania: Dybwad. pp. 20.
- PEARSON, W.H., 1887. Hepaticae Knysnae, sive Hepaticarum in regione capensi 'Knysna' Africae australis a Fabro Ferrario Hans Iverson lectarum. Christiania: Dybwad. pp. 15.
- PENTZ, J.A., 1955. Grasses in soil and water conservation. In Meredith, D. (ed.), The grasses and pastures of South Africa 2: 712-723. Johannesburg: Central News Agency.
- PENZHORN, B.L., ROBERTSE, P.J. & OLIVIER, M.C., 1974. The influence of the African elephant on the vegetation of the Addo Elephant National Park. Koedoe 17: 137-158.
- PHILLIPS, E.P., 1920a. Adaptations for the dispersal of fruits and seeds. S. Afr. J. nat. Hist. 2: 240-252.
- PHILLIPS, E.P., 1920b. Three noteworthy species of plants from South Africa. S. Afr. J. Sci. 16: 429-431.
- PHILLIPS, E.P., 1922. The thorn pears (*Scolopia* spp.). Bothalia 1: 83-86.
- PHILLIPS, E.P., 1926. A preliminary list of the known poisonous plants found in South Africa. Mem. bot. Surv. S. Afr. No. 9, pp. 30.
- PHILLIPS, E.P., 1929. Gifblaar en gousiekte. Fmg S. Afr. 1: 452.
- PHILLIPS, E.P., 1930. The weeds of South Africa. Bull. Dep. Agric. For. Un. S. Afr. No. 195, pp. 229.
- PHILLIPS, E.P., 1931. An introduction to the study of the South African grasses, with notes on their distribution, structure, cultivation, etc. Johannesburg: Central News Agency. pp. 224.
- PHILLIPS, E.P., 1933. A few interesting South African plants. Pamph. S. Afr. biol. Soc. No. 7, pp. 37-39.
- PHILLIPS, E.P. & BREDELL, H.C., 1930. The genus *Elyonurus* Humb. & Bonpl. in South Africa. Bothalia 3: 259-269.
- PHILLIPS, E.P. & KOTZE, J.J., 1921. The occurrence of Terblanz (*Faurea macnaughtonii*) in Natal and Pondoland. S. Afr. J. Sci. 17: 221.
- PHILLIPS, J.F.V., 1923. Disease in young natural regeneration of *Olea laurifolia* Lam. S. Afr. J. nat. Hist. 4: 209-220.
- PHILLIPS, J.F.V., 1924. The biology, ecology and silviculture of "Stinkwood" (*Ocotea bullata* E.Mey.). S. Afr. J. Sci. 21: 275-292.
- PHILLIPS, J.F.V., 1925. *Platylophus trifolius* Don: a contribution to its ecology. S. Afr. J. Sci. 22: 144-160.
- PHILLIPS, J.F.V., 1926a. General biology of the flowers, fruits and young regeneration of the more important species of the Knysna forests: a summary of preliminary studies. S. Afr. J. Sci. 23: 366-417.
- PHILLIPS, J.F.V., 1926b. The biology of the flowers, fruits and young regeneration of *Olinia cymosa* Thunb. (Hard Pear). Ecology 7: 338-350.
- PHILLIPS, J.F.V., 1927a. Dendrographic experiments: *Ocotea bullata* E.Mey. (Stinkwood). S. Afr. J. Sci. 24: 227-243.
- PHILLIPS, J.F.V., 1927b. *Ekebergia capensis* Sparrm. (Essenhout) in the Knysna region. A preliminary ecological note. S. Afr. J. Sci. 24: 216-224.
- PHILLIPS, J.F.V., 1927c. *Faurea macnaughtonii* Phill. (Terblanz): a note on its ecology and distribution. Trans. R. Soc. S. Afr. 14: 317-336.
- PHILLIPS, J.F.V., 1927d. Fossil *Widdringtonia* in lignite of the Knysna series, with a note on fossil leaves of several other species. S. Afr. J. Sci. 24: 188-197.
- PHILLIPS, J.F.V., 1927e. Mortality in the flowers, fruits and regeneration of trees in the Knysna forests of South Africa. Ecology 8: 435-444.
- PHILLIPS, J.F.V., 1927f. The role of the 'Bush-dove' (*Columba aquatrix* T. & K.) in fruit dispersal in the Knysna forest. S. Afr. J. Sci. 24: 435-440.
- PHILLIPS, J.F.V., 1928a. The behaviour of *Acacia melanoxylon* R. Br. (Tasmanian Blackwood) in the Knysna forests: an ecological study. Trans. R. Soc. S. Afr. 16: 31-43.
- PHILLIPS, J.F.V., 1928b. *Olea laurifolia* Lam. (Ironwood). An introduction to its ecology. Trans. R. Soc. S. Afr. 16: 169-190.
- PHILLIPS, J.F.V., 1929a. *Curtisia faginea* Ait. (Assegai): an ecological note. Trans. R. Soc. S. Afr. 17: 29-41.
- PHILLIPS, J.F.V., 1929b. The influence of *Usnea* sp. upon the supporting tree. Trans. R. Soc. S. Afr. 17: 101-107.
- PHILLIPS, J.F.V., 1931. Ecological investigations in South, Central and East Africa. J. Ecol. 19: 474-482.
- PHILLIPS, J.F.V., 1957. Aspects of the ecology and productivity of some of the more arid regions of southern and eastern Africa. Vegetatio 7: 38-68.
- PICHI-SERMOLLI, R.E.G. (ed.), 1965. Proceedings of the fifth plenary meeting of the "Association pour l'etude taxonomique de la flore d'Afrique tropicale" (AETFAT) Genova-Firenze, 9th - 14th September, 1963. Webbia 19: 491-906.

- PIENAAR, A.J., 1967. Die groeivermoe en anorganiese samestelling van vier grassoorte onder differensiële voeding en vogvoorsiening. D.Sc. (Agric.) thesis, University of Pretoria.
- PIENAAR, C.J., 1946. 'n Fisiologiese-ekologiese studie van die lewenskiedenis van *Themeda triandra* Forssk en *Aristida congesta* Roem. & Schult. M.Sc. thesis, Potchefstroom University for CHE.
- PIENAAR, C.J., 1968. Does kikuyu grass seed in South Africa? Fmg S. Afr. 43,10: 46-47.
- PIETERSE, A.J.H. & BOTHA, P.J., 1971. Die versameling, isolasie en kultivering van *Oscillatoria raai* De Toni, J. Tydskr. Natuurwet. 11,3: 181-200.
- PILLANS, N.S., 1928. The African genera and species of Restionaceae. Trans. R. Soc. S. Afr. 16: 207-440.
- PIRTE, N.W., 1970. Weeds are not all bad. Ceres 3,4: 31-34.
- PLATHE, D.J.R. & VAN DER ZEL, D.W., 1969. 'n Veldbrand-eksperiment op meervoudige opvanggebiede in Jakkalsrivier, Lebanon. For. S. Afr. 10: 63-71.
- PLATT, E.E., 1921. Food plants of South African butterflies and moths. S. Afr. J. bot. Hist. 3,1: 65-138.
- PLOWES, D.C.H., 1972. Aloes in Manicaland. Excelsa 2: 31-39.
- POCOCK, M., n.d. Fresh water algae of Southern Africa. Botanical Research Institute Library, Pretoria. pp 230. (Typewritten manuscript).
- POCOCK, M.A., 1933a. *Volvox* and associated algae from Kimberley. Ann. S. Afr. Mus. 16: 473-521.
- POCOCK, M.A., 1933b. *Volvox* in South Africa. Ann. S. Afr. Mus. 16: 523-646.
- POCOCK, M.A., 1937. *Hydrodictyon* in South Africa with notes on the known species of *Hydrodictyon*. Trans. R. Soc. S. Afr. 24: 263-280.
- POCOCK, M.A., 1952. Observations of the occurrence of certain South African seaweeds. S. Afr. J. Sci. 49: 189.
- POCOCK, M.A., 1959. *Haematococcus* in Southern Africa. Trans. R. Soc. S. Afr. 36: 5-55.
- POGGE, C., 1910. Nutzholzbaume Deutsch-Sudwest-Afrikas. Z. Forst-u. Jagdw. 42: 400-426.
- POLE EVANS, I.B., 1915. Some notes on the South African aloes. S. Afr. J. Sci. 12: 723.
- POLE EVANS, I.B., 1917a. Descriptions of some new aloes from the Transvaal. Trans. R. Soc. S. Afr. 5: 703-712.
- POLE EVANS, I.B., 1917b. South African fibre plants - Ambari or Deccan Hemp, *Hibiscus cannabinus* L. S. Afr. J. Inds 1: 198-208.
- POLE EVANS, I.B., 1924. "Gouziekte" veld: its vegetation and flora. Rep. vet. Res. Un. S. Afr. No. 9-10, pp. 109-119.
- PONT, J.W., 1924. Onderzoek op den osmotischen druk in correlatie met groeiplaats en groeivorm in Zuid-Afrikaanse planten. S. Afr. J. Sci. 21: 322-338.
- POTGIETER, J.T. & DURR, H.J.R., 1960. A host plant index of South African plant lice (Aphididae). Annale Univ. Stellenbosch Serie A 36,5: 219-238.
- POYNTON, J.C., 1962. Geographical and ecological determinants of distribution patterns. Ann. Cape Prov. Mus. 2: 32-36.
- PRETORIUS, M.W., 1973. Voedings-, produksie- en morfologiese studies op *Panicum maximum* Jacq. M.Sc. (Agric.) thesis, University of Pretoria.
- PRETORIUS, W.A., 1971. Some operational characteristics of a bacterial disc unit. Wat. Res. 5: 1141-1146.
- PROSKAUER, J., 1955. The Sphaerocarpaceae of South Africa. JI S. Afr. Bot. 31: 63-75.
- PROTTER, J., 1949. Some physical properties of soils as related to vegetative cover. M.Sc. thesis, University of the Witwatersrand.
- RABIE, J.W., 1954. Studies on growth and development of certain veld grasses with special reference to *Eragrostis curvula* and *Themeda triandra*. M.Sc. (Agric.) thesis, University of Natal. pp. 110.
- RABIE, J.W., 1964. Developmental studies on veld grasses. S. Afr. J. agric. Sci. 7: 583-588.
- RANWELL, H.A., 1964. 'n Ekologiese voedings-fisiologiese studie van *Themeda triandra*, *Panicum coloratum* en *Eragrostis curvula*. D.Sc. thesis, Potchefstroom University for CHE.
- RATTRAY, G., 1913. Notes on the pollination of some South African cycads. Trans. R. Soc. S. Afr. 3: 259-270.
- RATTRAY, J.M., 1957. The grasses and grass associations of Southern Rhodesia. Rhodesia agric. J. 54: 197-234.
- RATTRAY, J.M., 1960. The habit, distribution, habitat, forage value and veld indicator value of the commoner Southern Rhodesian grasses. Rhodesia agric. J. 57: 424.
- RAWE, R., 1961. Cacti in Southern Africa. Cape Town: Timmins.
- RAWE, R., 1968. Succulents in the veld. Cape Town: Timmins.
- REILLY, C., 1967. Accumulation of copper by some Zambian plants. Nature, Lond. 215: 667-668.
- RENEW, A., 1968. Some edible wild cucumbers (Cucurbitaceae) of Botswana. Botswana Notes & Record 1: 5-8.
- RENEW, A., 1971. Aloes of Botswana. Botswana Notes and Records. 2: 111-114.
- RETHMAN, N.F.G., 1971. Elevation of shoot apices of two ecotypes of *Themeda triandra* on the Transvaal Highveld. Proc. Grassld Soc. sth. Afr. 6: 86-92.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1967. Growth and development in *Cymbopogon excavatus* tillers. S. Afr. J. agric. Sci. 10: 811-821.
- RETHMAN, N.F.G. & BOOYSEN, P. DE V., 1968a. Growth and development in *Heteropogon contortus* tillers. S. Afr. J. agric. Sci. 11: 259-272.
- REYNOLDS, G.W., 1950. The aloes of South Africa. Johannesburg: Aloes of South Africa Book Fund. pp. 520.
- REYNOLDS, G.W., 1954. The aloes of Nyasaland. Blantyre: Nyasaland Society.
- REYNOLDS, G.W., 1960. Hunting aloes in Angola. JI S. Afr. biol. Soc. 1: 21.
- REYNOLDS, G.W., 1966. The aloes of tropical Africa and Madagascar. Mbabane: Aloe Book Fund. pp. 537.
- REYNOLDS, G.W., 1969. The aloes of South Africa. (2nd edn). Cape Town: Balkema.
- REYNOLDS, G.W., 1974. The aloes of South Africa. (3rd edn). Cape Town: Balkema. pp. 534.
- RICH, F., 1932. Contributions to our knowledge of the freshwater algae of Africa. 10. Phytoplankton from South African pans and vleis. Trans. R. Soc. S. Afr. 20: 149-188.
- RICH, F., 1935. Contributions to our knowledge of freshwater algae of Africa. 11. Algae from a pan in Southern Rhodesia. Trans. R. Soc. S. Afr. 23: 107-160.
- RICH, F., 1937. Contributions to our knowledge of the freshwater algae of Africa. 12. Some diatoms from the Victoria Falls. Trans. R. Soc. S. Afr. 24: 207-220.
- RICH, F., 1939. Contributions to our knowledge of freshwater algae of Africa. 14. Some desmids from the Transvaal. Trans. R. Soc. S. Afr. 27: 1-15.
- RICHARDS, P.W., 1947. The introduction of *Fontinalis antipyretica* into South Africa and its biological effects. Trans. Br. bryol. Soc. 1: 16.
- RINO, J.A., 1969. Contribucao para o conhecimento das Algas de aqua doce de Mocambique. 1. Revta Cienc. biol. 2: 51-102.
- RINO, J.A., 1971. Contribucao para o conhecimento das Algas de aqua doce de Mocambique. 2. Revta Cienc. biol. 4: 9-55.
- RINO, J.A., 1972. Contribucao para o conhecimento das Algas de aqua doce de Mocambique. 3. Revta Cienc. biol. 5: 121-264.
- ROBARTS, R.D. & SOUTHALL, G.C., 1975. Algal bioassays of two tropical Rhodesian reservoirs. Acta Hydrochem. Hydrobiol. 3: 369-377.
- ROBBERTSE, P.J., 1971. 'n Morfologiese studie van die genus *Acacia* Miller in Suid-Afrika. D.Sc. thesis, University of Pretoria.
- ROBBERTSE, P.J., 1972. Slaapbewegings by die blare van die Suid-Afrikaanse *Acacia*-spesies. Koedoe 15: 83-89.
- ROBBERTSE, P.J., 1973. Die genus *Acacia* in Suid-Afrika. 3. Tydskr. Natuurwet. 13,2: 72-95.
- ROBBERTSE, P.J., 1974. Ontkieming van doringboomsaad. JI S. Afr. Bot. 40: 269-273.
- ROBBERTSE, P.J. & VAN DER SCHIJFF, H.P., 1973. The genus *Acacia* Miller in South Africa. 5. Mitt. bot. StSamml. Münch. 10: 170-177.
- ROBERTS, B.R., 1971. Habitat preferences of twenty-seven different grasses. Proc. Grassld Soc. sth. Afr. 6: 44-49.
- ROBERTS, B.R., 1973. Common grasses of the Orange Free State. Bloemfontein: Provincial Administration of the Orange Free State. pp. 127.
- ROBINSON, B.P. & POTTS, R.C., 1950. Seed setting and

- germination in *Hyparrhenia hirta* (L.) Stapf (South African bluestem) as affected by nitrogen, phosphorus and potassium. *Agron. J.* 42: 109-110.
- ROBINSON, R.K., 1971. Changes in mycorrhizal flora on roots of *Pinus patula* in Swaziland. *S. Afr. For. J.* 78: 14-15.
- ROGERS, D.J. & MCALLISTER, H.J., 1969. Preferential grazing by game on a fungus "fairy ring". *J. Wildl. Mgmt* 33: 1034-1036.
- ROSER, R., 1856. *Naturhistorische und medicinische Beobachtungen über Gnadenhain in Süd-Afrika*. Tübingen. pp. 49.
- ROSS, J.H., 1964. A study of *Acacia caffra* (Thunb.) Willd., *Acacia brevispica* Horns and *Acacia schweinfurthii* Brenan & Exell, in Natal. M.Sc. thesis, University of Natal.
- ROSS, J.H., 1965. Notes on insect infestation in seed of *Acacia caffra* (Thunb.) Willd. in Natal. *Ann. Natal Mus.* 18: 221-226.
- ROSS, J.H., 1966. *Acacia ataxacantha* DC. in Africa, with particular reference to Natal. *Webbia* 21: 629-652.
- ROSS, J.H., 1968a. *Acacia nigrescens* Oliv. in Africa, with particular reference to Natal. *Bolm Soc. broteriana* 42: 181-205.
- ROSS, J.H., 1968b. *Acacia senegal* (L.) Willd. in Africa, with particular reference to Natal. *Bolm Soc. broteriana* 42: 207-240.
- ROSS, J.H., 1968c. *Acacia burkei* Benth. in southern Africa, with particular reference to Natal. *Bolm Soc. broteriana* 42: 275-304.
- ROSS, J.H., 1971a. *Acacia karroo* in southern Africa. *Bothalia* 10: 385-402.
- ROSS, J.H., 1971b. The *Acacia* species in Natal - an introduction to the indigenous species. Natal Branch of Wildlife Protection and Conservation Society of South Africa.
- ROSS, J.H., 1973. Notes on *Acacia* species in Southern Africa. 3. *Bothalia* 11: 127-131.
- ROSS, J.H., 1975. Notes on African *Acacia* species. *Bothalia* 11: 443-447.
- ROSS, J.H. & GORDON-GRAY, K.D., 1966a. *Acacia brevispica* and *Acacia schweinfurthii* (Leguminosae) in Africa, with particular reference to Natal. *Brittonia* 18: 44-63.
- ROSS, J.H. & GORDON-GRAY, K.D., 1966b. *Acacia caffra* (Thunb.) Willd. (Leguminosae) with particular reference to Natal, South Africa. *Brittonia* 18: 267-281.
- ROSS, J.H. & MOLL, E.J., 1972. A list of Natal Trees. Natal Branch of Wildlife Protection and Conservation Society of South Africa.
- ROSS, J.H. & MORRIS, J.W., 1971. Principal components analysis of *Acacia burkei* and *A. nigrescens* in Natal. *Bothalia* 10: 437-450.
- ROUSSEAU, F., 1970. The Proteaceae of South Africa. Cape Town: Purnell. pp. 110.
- ROUX, E., 1969. Grass, a story of Frankenwald. Cape Town: Oxford University Press. pp. 212.
- ROUX, E.R., 1929. Observations on *Marsilea macrocarpa* Presl. *S. Afr. J. Sci.* 26: 311-317.
- ROUX, E.R., 1961. History of the introduction of Australian Acacias to the Cape Flats. *S. Afr. J. Sci.* 57: 99-102.
- ROUX, E.R. & MARAIS, C.C.G., 1964. Rhizobial nitrogen fixation in some South African acacias. *S. Afr. J. Sci.* 60: 203-204.
- ROUX, E.R. & MIDDLEMISS, E., 1963. The occurrence and distribution of *Acacia cyanophylla* and *A. cyclops* in the Cape Province. *S. Afr. J. Sci.* 59: 286-294.
- ROUX, E.R. & WARREN, T.L., 1963. Symbiotic nitrogen fixation in *Acacia cyclops*. *S. Afr. J. Sci.* 56: 294.
- ROUX, P.W., 1960. *Tetrachne dregei* Nees: fruit production, germination and survival of seedlings. M.Sc. thesis, University of Natal.
- ROUX, P.W., 1968. The autecology of *Tetrachne dregei* Nees. Ph. D. thesis, University of Natal.
- ROWLAND, J.W. & HECTOR, J.M., 1932. Pasture studies 1 - a preliminary analysis of the grazing conditions on a Potgietersrust farm. *S. Afr. J. Sci.* 29: 338-350.
- RUSSELL, E.J., 1932. Soil conditions and plant growth. London: Longmans.
- SAID, H., 1948. The effect of stem-ringing on the daily march of stomatal rhythm in *Kalanchoe* Leaves. *New Phytol.* 47: 288-289.
- SAID, H. & TOLBA, M.K., 1948. The effect on stomatal behaviour of detaching leaves of *Kalanchoe* and *Mesembryanthemum* at different times of the day. *New Phytol.* 47: 284-287.
- SANDER, C.L. & GROBLER, J.H., 1966. Invloed van katioonuitruilings-kapasiteit en uitruilbare katione van kleisuspensies op die wortel- en stengelontwikkeling van mieliesailinge. *S. Afr. Tydskr. Landbouwet.* 9: 539-546.
- SAVORY, B.M., 1963. Site quality and tree root morphology in Northern Rhodesia. *Rhod. J. agric. Res.* 1: 55-64.
- SCHANK, S.C., 1966. Agronomic and cytotoxic comparisons between *Digitaria decumbens* and *D. pentzii* (Gramineae). *Crop Sci.* 6: 82-83.
- SCHELPE, E.A.C.L.E., 1950. Observations on the ecology of the South African Umbilicariaeae. *Jl S. Afr. Bot.* 16: 39-54.
- SCHELPE, E.A.C.L.E., 1953. The distribution of Bryophytes in the Natal Drakensberg, South Africa. *Revue bryol. lichen* 22: 86-90.
- SCHELPE, E.A.C.L.E., 1954. The *Cheilanthes multifida* complex in southern Africa. *Jl S. Afr. Bot.* 20: 127-136.
- SCHELPE, E.A.C.L.E., 1956. Distributional, ecological & phytogeographical observations on the ferns of South West Africa. *Jl S. Afr. Bot.* 22: 5-22.
- SCHELPE, E.A.C.L.E., 1961a. The ecology of *Salvinia auriculata* and associated vegetation on Kariba Lake. *Jl S. Afr. Bot.* 27: 181-188.
- SCHELPE, E.A.C.L.E., 1961b. South African epiphytic orchids. I. *J. bot. Soc. S. Afr.* 47: 15-18.
- SCHELPE, E.A.C.L.E., 1962. An annotated check-list of the epiphytic orchids of South Africa with keys to the genera and species. *Jl S. Afr. Bot.* 28: 279-286.
- SCHELPE, E.A.C.L.E., 1964. Pteridophyta collected on an expedition to northern Mocambique. *Jl S. Afr. Bot.* 30: 177-200.
- SCHELPE, E.A.C.L.E., 1966a. An introduction to the South African orchids. London: MacDonald. pp. 109.
- SCHELPE, E.A.C.L.E., 1966b. The Pteridophyta of Gorongosa Mountain, southern Mozambique. *Bolm Soc. broteriana* 40: 149-179.
- SCHELPE, E.A.C.L.E., 1968a. Contributions to the flora of Rhodesia. 11. Pteridophyta. *Bot. Notiser* 121: 361-382.
- SCHELPE, E.A.C.L.E., 1968b. Pteridophyta collected in Angola by Messrs Leach & Cannell. *Bolm Soc. broteriana* 42: 249-261.
- SCHELPE, E.A.C.L.E., 1974. Tree ferns in Southern Africa. *Veld & Flora* 4: 12-14.
- SCHELPE, E.A.C.L.E. & ALSTON, A.H.G., 1952. An annotated check-list of the Pteridophyta of southern Africa. *Jl S. Afr. Bot.* 18: 153-176.
- SCHINZ, H., 1892. Zur Kenntnis afrikanischer Gentianaceen. *Vjschr. Naturf. Ges. Zurich* 37: 306-339.
- SCHLECHTER, R., 1894a. Contribution to South African Asclepiadology. *J. Bot., Lond.* 32: 257-263 & 353-358.
- SCHLECHTER, R., 1894b. Beiträge zur kenntnis sudafrikanischer Asclepiadaceen. *Bot. Jb. suppl. No. 18*, pp. 37.
- SCHLECHTER, R., 1895a. Beiträge zur kenntnis neuer und kritischer Orchideen aus sudafrika. *Bot. Jb. suppl. No. 20*, pp. 44.
- SCHLECHTER, R., 1895b. Beiträge zur Kenntnis Sudafrikanischer Asclepiadeen. 3. *Bot. Jb. suppl. No. 20*, pp. 56.
- SCHLECHTER, R., 1895c. Contribution to South African Asclepiadology. *J. Bot., Lond.* 33: 267-274 & 353-359.
- SCHOEMAN, F.R., 1969. Diatoms from Orange Free State (South Africa) and Lesotho. *Revta Biol.* 7: 35-74.
- SCHOEMAN, F.R., 1970a. Diatoms from the Orange Free State, South Africa, and Lesotho. I. *Beih. Nova Hedwigia* 31: 331-353.
- SCHOEMAN, F.R., 1970b. Diatoms from the Orange Free State (South Africa) and Lesotho. 3. *Botanica mar. suppl.* 13: 49-72.
- SCHOEMAN, F.R., 1972a. Diatoms from sewage works in the Republic of South Africa and South West Africa. *Revta Biol.* 8, 1/4: 57-94.
- SCHOEMAN, F.R., 1972b. A further contribution to the diatom flora of sewage-enriched waters in Southern Africa. *Phycologia* 11: 239-245.

- SCHONAU, A.P.G., 1969. A site evaluation study in Black Wattle. *Annale Univ. Stellenbosch* Serie A 44,2: 79-214.
- SCHONKEN, J.D., 1931. Plant life and the desiccation process. *S. Afr. J. Sci.* 28: 238-245.
- SCHONLAND, S., 1910. On the absorption of water by the aerial organs of some succulents. *Trans. R. Soc. S. Afr.* 1: 395-401.
- SCHONLAND, S., 1922. Introduction to South African Cyperaceae. *Mem. bot. Surv. S. Afr.* No. 3, pp. 72.
- SCHONLAND, S., 1924. On the theory of age and area. *Ann. Bot.* 38: 453-472.
- SCHONLAND, S., 1927. Spinosity of plants. *S. Afr. J. nat. Hist.* 6: 101-107.
- SCHONLAND, S., 1929. Materials for a critical revision of Crassulaceae. (The South African species of the genus *Crassula* L.). *Trans. R. Soc. S. Afr.* 17: 151-293.
- SCHONLAND, S., 1930. The South African species of *Rhus* L. *Bothalia* 3: 3-115.
- SCHOONRAAD, E., 1973a. Enkele morfologiese aspekte van die *Podocarpus*-soorte van die Tsitsikama-bos en -seekus Nasionale Parke. *Koedoe* 16: 59-75.
- SCHOONRAAD, E., 1973b. Die verspreiding van die genus *Podocarpus* L'Herit. ex Pers. in Suid Afrika en die morfologie van die hout. *Tydsk. Natuurwet.* 13: 116-141.
- SCHREIBER, A., 1963. Die Gattung *Zygophyllum* L. in Sudwestafrika. *Mitt. bot. StSamml. Münch.* 5: 49-114.
- SCHUTTE, K.H., 1954. A survey of plant minor element deficiencies in Africa. *Sols afr.* 3,2: 45-50.
- SCHUTTE, K.H., 1958. Plants and their micro-climates. *S. Afr. J. Sci.* 54: 28.
- SCHUTTE, K.H., 1960. Trace element deficiencies in Cape vegetation. *Jl S. Afr. Bot.* 26: 45-49.
- SCHUTTE, K.H., STEYN, R. & VAN DER WESTHUIZEN, M., 1967. Crassulacean acid metabolism in South African succulents: a preliminary investigation into its occurrence in various families. *Jl S. Afr. Bot.* 33: 107-110.
- SCHWEICKERDT, H.G., 1933. A preliminary account of the vegetation in the neighbourhood of the Zoutpan in the Northern Transvaal. *S. Afr. J. Sci.* 30: 270-279.
- SCHWEICKERDT, H.G., 1934. A short account of the succulent flora of the Transvaal. *Cactus J.* 3: 30-31.
- SCHWEICKERDT, H.G., 1935. A short account of the succulent flora of the Transvaal. *Cactus J.* 4: 41-47.
- SCHWEICKERDT, H.G., 1937. An account of the South African species of *Tribulus* Tourn. ex Linn. *Bothalia* 3: 159-178.
- SCHWEICKERDT, H.G., 1940. Beitrag zur kenntnis der Gramineae von Sudafrica. *Notizbl. bot. Gart. Mus. Berl.* 14: 192-200.
- SCOTT, J.D. & VAN BREDA, N.G., 1937a. Preliminary studies on the root system of the *Rhenosterbos* (*Elytropappus rhinocerotis*) on the Worcester Veld Reserve. *S. Afr. J. Sci.* 33: 560-569.
- SCOTT, J.D. & VAN BREDA, N.G., 1937b. Preliminary studies on the root system of *Galenia africana* on the Worcester Veld Reserve. *S. Afr. J. Sci.* 34: 268-274.
- SCOTT, J.D. & VAN BREDA, N.G., 1939. Preliminary studies on the root systems of *Euphorbia mauritanica*, *E. burmannii* and *Ruschia multiflora* on the Worcester Veld Reserve. *S. Afr. J. Sci.* 36: 227-235.
- SCOTT-ELLIOT, G.F., 1890. Ornithophilous flowers in South Africa. *Ann. Bot.* 4: 265-280.
- SCOTT-ELLIOT, G.F., 1891. Notes on the regional distribution of the Cape flora. *Trans. Proc. bot. Soc. Edinb.* 18: 241-251.
- SCOTT-ELLIOT, G.F., 1905. Acacias in various places: a study in associations. *Trans. Proc. bot. Soc. Edinb.* 32: 13-37.
- SEAGRIFE, S.C., 1965. Establishment of *Podocarpus latifolius* R. Br. in blackwood plantations at the Hogsback. *S. Afr. J. Sci.* 61: 433-437.
- SEAGRIFE, S.C., 1967. The seaweeds of the Tsitsikama Coastal National Park. National Parks Board, South Africa. pp. 147.
- SEAGRIFE, S.C. & TROUGHTON, S.C., 1973. A guide to the literature on South African marine algae. *Jl S. Afr. Bot.* 39: 95-109.
- SERFONTEIN, J., 1961. Ekologiese studies van litjies-kactus (*Opuntia aurantiaca* Lindley). M.Sc. thesis, University of Stellenbosch.
- SHERRY, S.P., 1969. The Black Wattle (*Acacia mearnsii* De Wild.). Ph.D. thesis, University of Natal.
- SHERRY, S.P., 1971. The Black Wattle (*Acacia mearnsii* De Wild.). Pietermaritzburg: University of Natal Press.
- SHONE, D.K. & DRUMMOND, R.B., 1965a. Poisonous plants of Rhodesia. Ministry of Agriculture and Natural Resources Board of Rhodesia. pp. 64.
- SHONE, D.K. & DRUMMOND, R.B., 1965b. Poisonous plants of Rhodesia. *Rhodesia agric. J.* 62,4: 1-64.
- SIM, T.R., 1891. Handbook of the ferns of Kaffraria. Cape Town. pp. 63.
- SIM, T.R., 1892. The ferns of South Africa. Cape Town: Cambridge University Press. pp. 275.
- SIM, T.R., 1894. Sketch and check-list of the flora of Kaffraria. Cape Town: Argus. pp. 92.
- SIM, T.R., 1905. Recent information concerning South African ferns and their distribution. *Rep. Br. & S. Afr. Ass. Advmt Sci.* 3: 502-512.
- SIM, T.R., 1915. The ferns of South Africa. 2nd edn. Cambridge: University Press. pp. 384.
- SIM, T.R., 1916. Handbook of the Bryophyta of South Africa. Pietermaritzburg. pp. 200.
- SIM, T.R., 1921a. Bryophyta of Southern Rhodesia. *S. Afr. J. Sci.* 18: 294-335.
- SIM, T.R., 1921b. South African fern notes, with list of ferns and fern-allies found in Southern Rhodesia and of additional species recorded for other South African phytogeographic areas. *S. Afr. J. Sci.* 17: 275-283.
- SIM, T.R., 1923. Notes on South African ferns and Rhodesian mosses. *S. Afr. J. Sci.* 20: 309-315.
- SIM, T.R., 1924. The mosses of the south-west portion of South Africa. *S. Afr. J. Sci.* 21: 293-307.
- SIM, T.R., 1926. The bryophyta of South Africa. *Trans. R. Soc. S. Afr.* 15: 1-475.
- SIM, T.R., 1927. Check list of the bryophyta of South Africa. 2nd edn. Pietermaritzburg: Royal Society of South Africa. pp. 32.
- SIM, T.R., 1931a. Further notes on the distribution of the ferns of South Africa. *S. Afr. J. Sci.* 28: 253-265.
- SIM, T.R., 1931b. South African Bryophyta: further notes. *Trans. R. Soc. S. Afr.* 20: 15-31.
- SIM, T.R. & DIXON, H.N., 1921. Bryophyta of Southern Rhodesia. *S. Afr. J. Sci.* 18: 294-335.
- SIMON, B.K., 1971. Rhodesian and Zambian grass lists. *Kirkia* 8: 3-83.
- SIMONS, R.H., 1970. Marine algae from Southern Africa. I. Six new species from the inter- and infratidal zones. *Investl Rep. Div. Sea Fish. S. Afr.* 88: 13.
- SIMONS, R.H., 1972. South African seaweeds. *Agric. Res., Pretoria*, pp. 28-29.
- SIMPSON, M.W., 1938. Transpiration studies on Natal thornveld trees. M.Sc. thesis, University of South Africa.
- SKEAD, C.J., 1963. Sunbirds and strelitzias. *Bokmakierie* 14: 24-26.
- SKINNER, G. & YATES, M.J., 1974. Our trees - identification of fifty common trees indigenous to the Eastern Cape Province. Port Elizabeth: Printed by Express Litho Services. pp. 51.
- SKINNER, T.E., 1960. Sound veld management may limit incidence of Gousiekte. *Fmg S. Afr.* 36: 22-24.
- SKINNER, T.E., 1964. 'n Fisiologiese-ekologiese studie van *Stipagrostis ciliata* en *S. obtusa*. M.Sc. (Agric.) thesis, University of Pretoria.
- SMIT, I.B.J., 1955. The slangbos problem. *Fmg S. Afr.* 30: 479-481.
- SMITH, A., 1895. A contribution to South African materia medica, chiefly from plants in use among natives. 3rd edn. Cape Town: Juta. pp. 238.
- SMITH, C.A., 1966. Studies on the *Hyparrhenia* veld of Zambia. The effects of cattle grazing veld and dambos at different stocking rates. *J. agric. Sci., Camb.* 66: 49-56.
- SMITH, C.J., 1966. The use of sun-prints in seedling studies. *S. Afr. J. agric. Sci.* 9: 741-743.
- SMOOK, L., 1969. Some observations on *Lindernia intrepidus* (Dinter) Oberm. (= *Chamaegigas intrepidus* Dinter). *Dinteria* 2: 13-21.
- SOANE, B.D., 1960. Soil water and plant relations. Rhodesia agric. J. 57: 46-51.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of

- Elyonurus argenteus*, *Andropogon amplexens*, *Setaria flabellata*, *Andropogon schirensis* & *Themeda triandra*. Pattern 1. Map 1. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Urochloa mosambicensis*, *Tristachya hispida*, *Panicum deustum* & *Eragrostis chloromelas*. Pattern 1. Map 2. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Setaria neglecta*, *Stipa dregeana* & *Melica decumbens*. Pattern 2. Map 3. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Antheophora pubescens*, *Stipagrostis uniplumis*, *Cenchrus ciliaris*, *Schmidia bulbosa* & *Aristida curvata*. Pattern 3. Map 4. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Stipagrostis obtusa*, *Sporobolus lampranthus*, *Panicum lanipes*, *Aristida anomala*, *Stipagrostis brevifolia* & *Eragrostis bicolor*. Pattern 4. Map 5. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Eragrostis bergiana*, *E. obtusa*, *Tragus koelerioides* & *Aristida diffusa* var *burkei*. Pattern 5. Map 6. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Fingerhuthia sesleriiformis*, *Tetrachne dregei*, *Pennisetum sphacelatum* & *P.hunbergii*. Pattern 6. Map 7. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Danthonia disticha*, *Danthonia purpurea*, *Hordeum capense* & *Koeleria cristata*. Pattern 7. Map 8. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Chaetobromus dregeanus*, *Eragrostis spinosa*, *Eragrostis cyperoides* & *Ehrharta barbinodis*. Pattern 8. Map 9. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Ehrharta calycina*, *Ehrharta melicoides*, *Ehrharta capensis* etc & *Ehrharta villosa*. Pattern 9. Map 10. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Panicum lanipes* & *Arundinella nepalensis*. Map 12. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Secale africanum* & *Eragrostis chloromelas*. Map 13. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Setaria nigrirostris*, *S. holstii*, *S. woodii* & *Tetragonia robusta*. Map 14. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Sporobolus fimbriatus*. Map 15. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tetrachne dregei* & *Sporobolus virginicus*. Map 16. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Themeda triandra*. Map 17. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tricholaena capensis* & *Poa binata*. Map 18. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tristachya hispida*. Map 19. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Andropogon appendiculatus*. Map 20. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Brachypodium flexum* & *Stipagrostis uniplumis*. Map 21. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Dicanthium papillosum*, *Danthonium disticha* & *Danthonia dura*. Map 22. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Diplachne fusca*. Map 23. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Fingerhuthia sesleriiformis*. Map 24. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Imperata cylindrica*. Map 25. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Leersia hexandra*. Map 26. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Odysea paucinervis* & *Pennisetum sphacelatum*. Map 27. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Danthonia glauca* & *Pennisetum thunbergii*. Map 28. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961a. Distribution of *Stipagrostis obtusa* & *Urochloa mosambicensis*. Map 3. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961b. Distribution of *Antheophora pubescens* & *Chaetobromus dregeanus*. Map 4. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961c. Distribution of *Panicum maximum* & *Ehrharta barbinodis*. Map 6. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961d. Distribution of *Ehrharta capensis* & *Echinochloa holubii*. Map 7. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961e. Distribution of *Ehrharta melicoides* & *Setaria neglecta*, *Sporobolus lampranthus* & *Brachiaria brizantha*. Map 8. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961f. Distribution of *Eragrostis denudata* & *Stenotaphrum secundatum*. Map 9. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961g. Distribution of *Panicum coloratum*. Map 11. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961h. Distribution of *Phragmites communis* & s. limit of *P. mauritanicus*. Map 29. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961i. Distribution of *Sporobolus iocladius*. Map 33. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961j. Distribution of *Stipagrostis brevifolia* & *Panicum deustum*. Map 34. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961k. Distribution of *Stipagrostis namaquensis*. Map 35. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961l. Distribution of *Dactyloctenium australe*, *Danthonia purpurea* & *Chrysopogon montanus* var. *tremulus*. Map 36. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961m. Distribution of *Aristida engleri*, *A. dasydesmis*, *Portulacaria afra*. Map 37. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961n. Distribution of *Cenchrus ciliaris*. Map 39. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961o. Distribution of *Stipa dregeana* var *elongata*. Map 40. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961p. Distribution of *Ehrharta calycina* & *Urochloa stolonifera*. Map 41. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.

- SOUTH AFRICA, DISTRIBUTION, 1961q. Distribution of *Hyparrhenia hirta* & *H. buchananii*. Map 42. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961r. Distribution of *Aristida diffusa* var. *burkei*. Map 44. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961s. Distribution of *Eragrostis obtusa*. Map 47. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961t. Distribution of *Heteropogon contortus*. Map 48. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961u. Distribution of *Hordeum capense*. Map 49. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961v. Distribution of *Puccinellia* spp. Map 50. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961w. Distribution of *Setaria flabellata*. Map 51. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961x. Distribution of *Limeum aethiopicum*. Map 53. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962a. Distribution of *Anthoxanthum dregeanum*, *Stipagrostis fastigiata* & *Setaria sphacelata*. Map 2. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962b. Distribution of *Digitaria eriantha*. Map 5. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962c. Distribution of *Helictotrichon namaquense* & *Hemarthria altissima*. Map 10. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962d. Distribution of *Eragrostis bicolor*. Map 30. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962e. Distribution of *Ehrharta villosa*, *Ischaemum glaucostachyum* & *Setaria appendiculata*. Map 31. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962f. Distribution of *Panicum stapfianum*. Map 32. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962g. Distribution of *Bothriochloa radicans*. Map 38. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962h. Distribution of *Koeleria cristata*. Map 43. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962i. Distribution of *Danthonia stricta*. Map 45. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962j. Distribution of *Eragrostis lehmanniana*. Map 46. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962k. Distribution of *Aster barbatus*. Map 52. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962l. Distribution of *Salsola tuberculata*. Map 54. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962m. Distribution of *Tetragonia arbuscula*. Map 55. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962n. Distribution of *Trifolium africanum* & *T. burchellianum*. Map 56. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SPIILHAUS, M.W., 1950. Indigenous trees of the Cape Peninsula. Cape Town: Juta. pp. 122.
- STAPELBERG, W.J., 1931. 'n Studie van die wortels van 'n aantal Potchefstroomse grasse met spesiale verwysing na hul anatomie. M. Sc. thesis, Potchefstroom University for CHE.
- STAPF, O., 1904. Die Gliederung der Graserflora von Sudafrika: Eine pflanzengeographische Skizze. Berlin: Borntraeger. pp. 391-412.
- STAPLETON, C.C. 1937. Common Transvaal trees. Sci. Bull. Dep. Agric. Un. S. Afr. No. 164, pp. 102.
- STEINKE, T.D., 1972a. Further observations on the distribution of mangroves in the eastern Cape Province. JI S. Afr. Bot. 38: 165-178.
- STEINKE, T.D., 1972b. Mangroves. Veld & Flora 2: 47-49.
- STENT, S.M., 1924. South African Gramineae. Grasses of the Transvaal as represented in the National Herbarium. Bothalia 1: 222-223.
- STENT, S.M., 1927. South African species of *Cynodon*. Bothalia 2: 274-288.
- STENT, S.M., 1931. Some poisonous plants in Southern Rhodesia. Rhodesia agric. J. 27: 811-821.
- STENT, S.M. & RATTRAY, J.M., 1933. The grasses of Southern Rhodesia. Proc. Trans. Rhod. Sci. Ass. 32: 1-64.
- STEPHANI, F., 1895. Hepaticae africanae. Bot. Jb. 20: 299-321.
- STEPHENS, E.L., 1949. *Mucrocystis toxica*: a poisonous alga from the Transvaal and Orange Free State. Trans. R. Soc. S. Afr. 32:105-112.
- STEPHENS, E.L. & KIDD, M.M., 1953a. Some South African edible fungi. Cape Town: Longmans & Green. pp. 35.
- STEPHENS, E.L. & KIDD, M.M., 1953b. Some South African poisonous and inedible fungi. Cape Town: Longmans & Green. pp. 31.
- STEYN, D.G., 1931. Geelsiekte and its detection in the field. JI S. Afr. vet. med. Ass. 2: 23-26.
- STEYN, D.G., 1932. Some interesting poisonous plants. Pamph. S. Afr. biol. Soc. No. 5, pp. 23.
- STEYN, D.G., 1933. Methods of ascertaining whether plants are toxic or not. Pamph. S. Afr. biol. Soc. No. 6, pp. 15-21.
- STEYN, D.G., 1934. The toxicology of plants in South Africa, together with a consideration of poisonous toadstools and fungi. Johannesburg: Central News Agency. pp. 631.
- STEYN, D.G., 1944. Poisonous and non-poisonous algae (waterbloom, scum) in dams and pans. Fmg S. Afr. 19: 465-466 & 472.
- STEYN, D.G., 1949. Vergiftiging van mens en dier; met gifplante, voedsel en drinkwater. Pretoria: Van Schaik. pp. 264.
- STEYN, T.J., 1943. Die genus *Elyonurus* (Humb. en Bonpl. ) in Suid Afrika met spesiale verwysing na die anatomie. M.Sc. thesis, University of Pretoria.
- STIRTON, C.H., 1975. A contribution to knowledge of the genus *Eriosema* (Leguminosae, Lotoideae) in southern Africa (excluding Mozambique and Rhodesia). M.Sc. thesis, University of Natal. pp. 182.
- STOKES, H., 1967. What tree is that? Cape Town: Purnell. pp. 72.
- STOKOE, T.P., 1939. *Orothamnus zeyheri*. J. Mount. Club S. Afr. No. 42, pp. 17-21
- STOPP, K., 1958. Die verbreitungshemmen den einrichtungen in der Sudafricanischen Flora. Bot. Stud., Jena 8: 1-103.
- STORY, R., 1951. New distribution records for *Ocotea bullata* E. Mey. and *Lachnophyllis floribunda* (Benth.) C.A. Sm. with account of an insect pest of the Stinkwood. S. Afr. J. Sci. 47: 190-198.
- STURGEON, K.E., 1951. A revised list of the grasses of Southern Rhodesia. Part 4,5,6,7,8 and 9. Rhodesia agric. J. 51: 131-145, 212-226, 293-312, 379-393 & 495-508.
- STURGEON, K.E., 1953. A revised list of the grasses of Southern Rhodesia. Part 1,2 and 3. Rhodesia agric. J. 50: 278-291, 420-439 & 497-514.
- STURGEON, K.E., 1955. A revised list of the grasses of Southern Rhodesia. Part 10. Rhodesia agric. J. 52: 39-63.
- STURGEON, K.E., 1956. A revised list of the grasses of Southern Rhodesia. Part 11- Index. Rhodesia agric. J. 53: 110-141.
- STURGEON, K.E., 1957. A revised list of the grasses of Southern Rhodesia. M.Sc. thesis, Rhodes University.
- SWYNNERTON, C.F.M. & PHILLIPSON, W.R., 1936. A new *Coffea* from Portuguese East Africa, with ecological notes on the genus. J. Bot., Lond. 74: 314-322.
- TAINTON, N.M., 1967. Environmental control of flowering in tropical- subtropical grasses. Proc. Grassld Soc. sth. Afr. 4: 49-55.
- TAINTON, N.M., 1968. Environmental control of the growth distribution index of vegetative grass plants. Proc. Grassld Soc. sth. Afr. 3:151-158.

- TAINTON, N.M., 1972. The relative contribution of overstocking and selective grazing to the degeneration of tall grassveld in Natal. *Proc. Grassld Soc. sth. Afr.* 7: 39-43.
- TALBOT, P.H.B., 1940. A field study of the assimilation and respiration of carbon dioxide by leaves of *Randia rudis* E. Mey. versus *Gymnosporia buxifolia* Szyzyl. M.Sc. thesis, University of South Africa.
- TAYLOR, A.J., 1922. The composition of some indigenous grasses. *S. Afr. J. Sci.* 19: 218-232.
- TAYLOR, P., 1955. The genus *Anagallis* in tropical and South Africa. *Kew Bull.* 3: 321-320.
- TAYLOR, P., 1964. The genus *Utricularia* L. in Africa (south of the Sahara) and Madagascar. *Kew Bull.* 18: 1-245.
- TEW, J., GROSSMAN, E.S., FAIR, P. & CRESSWELL, C.F., 1974. A study of the fine structure, enzyme activities and pattern of  $^{14}\text{CO}_2$  incorporation of highveld grasses from different successional stages. *Proc. Grassld Soc. sth. Afr.* 9: 95-104.
- THERIOT, I., 1924. Musci nova africana. *Bull. Mus. Hist. nat., Paris*, pp. 239-246.
- THERIOT, I., 1932. Quelques mousses du Nyasaland. *Revue bryol. lichen* 4: 75-77.
- THERON, E.P., 1966. A study of certain chemical and physical properties of ten indigenous grasses and their relation to animal preference. D.Sc. thesis, University of Natal.
- THERON, E.P. & BOOYSEN, P.DE V., 1968a. The tensile properties of ten indigenous grasses. *Proc. Grassld Soc. sth. Afr.* 3: 57-61.
- THERON, E.P. & BOOYSEN, P.DE V., 1968b. A study of the factors influencing the breaking tension of the leaves of various grasses. *Proc. Grassld Soc. sth. Afr.* 3: 63-66.
- THERON, E.P., VENTER, A.D. & JONES, R.I., 1959. Four-camp system not always solution to problem of selective grazing. *Fmg S. Afr.* 35,2: 6-10.
- THERON, G.K., 1964. 'n Outekologiese studie van *Plinthus karroicus* Verdoorn. M.Sc. thesis, University of Pretoria.
- THERON, G.K., 1975. The distribution of summer rainfall zone *Protea* species in South Africa, with special reference to the ecology of *Protea caffra*. *Boissiera* 124: 233-244.
- THERON, G.K., SCHWEICKERT, H.G. & VAN DER SCHIJFF, H.P., 1968. 'n Anatomiese studie van *Plinthus karroicus* Verdoorn. *Tydskr. Natuurwet.* 8: 69-104.
- THISELTON-DYER, W.T., 1874. The tree aloes of South Africa. *Nature, Lond.* 11: 89-91.
- THODAY, D., 1920. Ericoid leaves. *S. Afr. J. Sci.* 17: 20.
- THODAY, D., 1921. On the behaviour during drought of two species of *Passerina* with some notes on their anatomy. *Ann. Bot.* 35: 585-601.
- THODAY, D., 1924. The geographical distribution and ecology of *Passerina*. *Ann. Bot.* 39: 175-207.
- THODAY, D. & POCKOCK, M.A., 1928. On a *Myosurus* from South Africa, with some notes on *Marsilia macrocarpa*. *Trans. R. Soc. S. Afr.* 16: 23-30.
- THOM, J.E., 1970. 'n Taksonomies-morfologiese studie van die genus *Dovyalis* E. Mey. ex Arn. in Suid-Afrika. M.Sc. thesis, University of Pretoria.
- THOMASSON, K., 1965. Notes on the algal vegetation on Lake Kariba. *Nova Acta R. Soc. Scient. Upsal.* 19: 1210-1247.
- THOMPSON, J.G., 1960. A description of the growth habits of mopane in relation to soil and climate conditions. In *Proceedings of the 1st Federation science congress, Salisbury*, pp. 181-186.
- THOMPSON, L., SLIFE, F.W. & BUTLER, H.S., 1970. Environmental influence on the tolerance of corn to atrazine. *Weed Sci.* 18: 509-514.
- THUDICHUM, G. & CHODAT, R., 1923. Le Vegetation xerophyte du sud de L' Afrique. *Bull. Soc. bot. Geneve* 14: 24-26.
- TIM, S.K., 1969. Developmental studies of certain South African ascometric Ascomycetes. Ph.D. thesis, Rhodes University.
- TOERIE, D.F., 1974. The role of algal growth kinetics in the control of eutrophication problems. *News Lett. Limnol. Soc. sth. Afr.* 22: 37-46.
- TOERIE, D.F. & HUANG, C.H., 1973. Algal growth prediction using growth kinetic constants. *Wat. Res.* 7: 1673-1681.
- TOERIE, D.F. & STEYN, D.J., 1973. Application of algal bioassays in eutrophication analysis. *S. Afr. J. Sci.* 69: 72-82.
- TÖLKEN, H.R., 1969. The genus *Talinum* (Portulacaceae) in Southern Africa. *Bothalia* 10: 17-28.
- TÖLKEN, H.R., 1973. *Crassulaceae. Cactus Succ. J., U.S.* 45: 293-295.
- TOPHAM, P., 1930. Man and the forests in Northern Nyasaland. *Emp. For. J.* 9: 213-225.
- TUNNINGTON, D., 1969. Observations on the growth rate of cones of *Encephalartos natalensis*. *S. Afr. J. Sci.* 65: 147-148.
- TWYMAN, E.S., 1958. Plant physiology and crop production. *S. Afr. J. Sci.* 53: 50-55.
- TYRRHELL, C.E.N., 1933. Some experimental studies of the wattle with special reference to water relations. M.Sc. thesis, University of South Africa.
- URTON, N.R., 1961. Guide to indigenous trees of the Eastern Cape. Port Elizabeth: Port Elizabeth Technical College. pp. 65.
- VAHRMEIJER, J., 1970. 'n Ekologiese studie van Gifblaar *Dichapetalum cymosum* (Hook.) Engl. in die Pretoria omgewing. M.Sc. thesis, Potchefstroom University for CHE.
- VAN BREDA, N.G., 1937. An improved method in the study of root bisects. *S. Afr. J. Sci.* 34: 260-264.
- VAN BREDA, N.G., 1939. An improved method of sowing grass and Karoo shrub seed. *S. Afr. J. Sci.* 36: 328-335.
- VAN DE VENTER, H.A., 1974. Distribution, leaf morphology, embryology and germination of the acaulescent species of *Strelitzia* Ait. Ph.D. thesis, University of Port Elizabeth.
- VAN DEN BERG, J.A., 1972. Die invloed van seisoenbewing op *Cymbopogon-Themedaveld*. M.Sc. thesis, University of the Orange Free State.
- VAN DEN BERGHEN, C., 1948. Contribution a l'etude des especes Africaines du genre *Metzgeria*. *Bull. Jard. bot. Etat Brux.* 19: 187-201.
- VAN DEN BERGHEN, C., 1949. Contribution a l'etude des especes africaine du genre *Mastigolejeunea*. *Bull. Jard. bot. Etat Brux.* 18: 371-382.
- VAN DER BYL, P.A., 1929. The fungus flora of the Western Province of the Cape. In Adamson, R.S., Compton, R.H., Van der Byl P.A., Stephens, E.L. & Levyns, M.R. (eds), *The botanical features of the south-west Cape Province*, pp. 99-117. Cape Town: Speciality Press.
- VAN DER BYL, P.A., 1931. 'n Lys van Korsmosse (Lichens) versamel in die Unie van Suid-Afrika en in Rhodesia gedurende die tydperk 1917-1929. *Annale Univ. Stellenbosch Serie A* 9,3: 1-17.
- VAN DER MERWE, T., 1974. The rarest *Protea* of the fairest Cape. *Afr. wild Life* 28: 28-29.
- VAN DER PLANK, J.E., 1928. Storage and other carbohydrates in certain Natal plants and their behaviour during the winter resting season. M.Sc. thesis, University of South Africa.
- VAN DER SCHIJFF, H.P., 1949. 'n Fisiologies-ekologiese studie van *Geigeria passerinoides* L'Her. & Harv. met spesiale verwysing na die Vemeerbosprobleem in Griekwaland-Wes. M.Sc. thesis, Potchefstroom University for CHE. pp. 136.
- VAN DER SCHIJFF, H.P., 1968. Die topografie, geologie en grondsoorte van die Nasionale Krugerwildtuin met verwysing na plantegeenskappe wat op die verskillende grondsoorte voorkom. *Tydskr. Natuurwet.* 8: 32-50.
- VAN DER SCHIJFF, H.P. & SNYMAN, L., 1970. The morphology and germination of the seed of *Elephantorrhiza elephantina*. *J. Arnold Arbor.* 51: 114-124.
- VAN DER WALT, J.J.A., 1971. 'n Taksonomies-morfologiese studie van die genus *Commiphora* Jacq. in Suid Afrika. Ph.D. thesis, University of Pretoria. pp. 184.
- VAN DER WALT, J.J.A., SCHWEICKERT, H.G. & VAN DER SCHIJFF, H.P., 1970. Afwykende sekondere diktegroei by die stingels van die liane *Cocculus hirsutus* (L.) Diels (Menispermaceae) en *Pyrenacantha grandiflora* Baill. (Icacinaceae). *Tydskr. Natuurwet.* 10,2: 173-199.
- VAN GRAAN, J.F., 1970. Die chemiese beheer van *Pachystigma pygmaeum* (Schltr.) Robyns. M.Sc. thesis, Potchefstroom University for CHE.
- VAN HOEPEN, E., 1968. Some interesting methods of fruit and seed dispersal in Transvaal plants. *Fauna Flora, Pretoria* 19: 17-23.
- VAN LAAR, A. & GELDENHUYS, C.J., 1975. Distribution and correlation patterns in an indigenous forest. *S. Afr. For. J.* No. 94, pp. 20-25.

- VAN RENSBURG, H.J., 1942a. A comparison of quadrat results and phenological data in a series of highveld grassland grazing experiments subjected to different treatments over a period of six years. S. Afr. J. Sci. 38: 186-197.
- VAN RENSBURG, H.J., 1942b. A contribution to the ecological and economic aspects of *Cynodon dactylon* (Kweek). M.Sc. thesis, University of the Witwatersrand.
- VAN RENSBURG, M.C.J., 1961. Grassoorte in Suid-Afrika: 'n onomasiologiese ondersoek. M.A. thesis, University of Pretoria.
- VAN RENSBURG, W.L.J., 1962. Die aandeel van grasse in veldtipes rondom Stellenbosch. M.Sc. thesis, University of Stellenbosch. pp. 182.
- VAN ROOYEN, T.H. & BURGER, R. DU T., 1974. Plant ecological significance of the soils of the central Orange River basin. S. Afr. geogr. J. 56: 60-66.
- VAN STADEN, J., 1967. Deficiencies of major nutrient elements in *Protea cynaroides* Linn., grown in sand culture. 1. Foliar symptoms of deficiencies. JI S. Afr. Bot. 33: 59-64.
- VAN STADEN, J., 1968a. Deficiencies of major nutrient elements in *Protea cynaroides* L., grown in sand culture. 2. Effect on growth and chemical composition. JI S. Afr. Bot. 34: 27-30.
- VAN STADEN, J., 1968b. The effect of trace element deficiencies on the Botrivier Protea (*Protea compacta* R. Br.) in water culture. JI S. Afr. Bot. 34: 397-400.
- VAN WIJK, P., 1957. Die invloed van die ligfaktor op die groei, ontwikkeling en voortplanting van 'n aantal mesofitiese grassoorte. M.Sc. thesis, Potchefstroom University for CHE. pp. 110.
- VAN WYK, J.J.P., BOSCH, O.J.H. & KRUGER, J.A. 1969. Droogtebeskadiging van bosveldbome en groot struik. Proc. Grassld Soc. sth. Afr. 4: 61-65.
- VAN WYK, P., 1972. Trees of the Kruger National Park. Vol. 1 & 2. Cape Town: Purnell.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1970. Observations on the distribution of Ericaceae in Africa. Colloquium geogr. 12: 89-97.
- VAN ZINDEREN BAKKER E.M. (Sr), KEULDER, P.C. & STEGMAN, P., 1972. Limnological and primary production studies of the Hendrik Verwoerd Dam and its catchment. Civ. Engr. S. Afr. 14.2: 82-83.
- VAN ZYL, L.G., 1970. Elephant grass in the south-eastern Transvaal. Fmg S. Afr. 46.4: 25-31.
- VERBOOM, W.C., 1965. Legumes in Zambia. Trop. Agric. Trin. 42: 229-242.
- VERDOORN, I.C., 1933. The Baobab. S. Afr. J. Sci. 30: 255-257.
- VERDOORN, I.C., 1938. Edible wild fruits of the Transvaal. Pretoria: Government Printer. pp. 110.
- VERDOORN, I.C., 1952. *Encephalartos natalensis*, the cycad of the Valley of a Thousand Hills. S. Afr. J. Sci. 48: 162.
- VERDOORN, I.C., 1957. The Baobab or Kremetartboom. Afr. wild Life 11: 95-99.
- VESEY-FITZGERALD, D.F., 1963. Annotated list of grasses collected in the Congo drainage basin of Northern Rhodesia and Tanganyika. Kirkia 3: 78-111.
- VILJOEN, L. & ROBERTS, B.R., 1968. Ontwikkeling van lignien in *Themeda triandra*, *Cymbopogon plurinodis* en *Eragrostis lehmanniana*. Proc. Grassld Soc. sth. Afr. 3: 101-104.
- VILJOEN, P.R., 1919. Preliminary report on the harmful effects of "Steek" grass on the general health and condition of sheep. Rep. vet. Res. Un. S. Afr. No. 5/6, pp. 321-333.
- VINCENT, F.D.A., 1883. Timber trees at the Cape. Indian Forester 9: 24-25.
- VOGEL, S., 1955. Niedere Fensterpflanzen in der Sudafrikanischen Waste. Beitr. Biol. Pfl. 31: 45-135.
- VOGTS, M., 1959. The South African Proteaceae. Pamph. S. Afr. biol. Soc. No. 21, pp. 23-24.
- VOGTS, M.M., 1971. Die geografie en die geografiese variasie van *Protea cynaroides*. D.Sc. thesis, University of Stellenbosch.
- VON BREITENBACH, F., 1965. The indigenous trees of southern Africa. Pretoria: Government Printer.
- VON BREITENBACH, F., 1966. Fifty trees of the Cape midlands indigenous forests. Pretoria: Government Printer.
- VON BREITENBACH, F., 1972. Afrikaanse boomname in die Suid-Kaap. Trees S. Afr. 24: 2-14.
- VON BREITENBACH, F., 1974. A list of tree names. 1. Trees S. Afr. 26: 40-50.
- VON BREITENBACH, F., 1975a. A list of tree names. 2. Trees S. Afr. 26: 92-103.
- VON BREITENBACH, F., 1975b. A list of tree names. 3. Trees S. Afr. 27: 10-22.
- VON BREITENBACH, F., 1975c. A list of tree names. 4. Trees S. Afr. 27: 38-46.
- VON BREITENBACH, F., 1975d. A list of tree names. 5. Trees S. Afr. 27: 65-72.
- VON BREITENBACH, J., 1974. The wild figs of southern Africa. Trees S. Afr. 26: 58-80.
- VON JENEY DE BOROSJENO, N.L.T.R.M., 1973. Toxic principles of *Geigeria filifolia* Mattf. M.Sc. (Agric.) thesis, University of Pretoria.
- VORSTER, P. & VORSTER, E., 1973. The African cycads. Excelsa 3: 14-22 & 26.
- VORSTER, P.J., 1970. A floristic-ecological survey of the Bryophyta of Mariepskop. M.Sc. thesis, University of Pretoria.
- VORSTER, T.B., 1975. Lokale variasies in kiemsak-ontwikkeling by die *Eragrostis curvula* (Schrud.) Nees-kompleks. M.Sc. (Agric.) thesis, University of Pretoria.
- WALMSLEY, R.D., BREEN, C.M. & KYLE, E., 1973. Aspects of the fern-alga relationship in *Azolla filiculoides*. News Lett. Limnol. Soc. sth. Afr. 20: 13-21.
- WALSH, L.H., 1909. South African poisonous plants. Cape Town: Maskew Miller.
- WALTER, H., 1965. Über die Jahreskurven des osmotischen wertes bei einigen Hartlaubarten des kaplandes. JI S. Afr. Bot. 31: 225-236.
- WALTER, H., 1973. Vegetation of the earth in relation to climate and the ecophysiological conditions. New York: Springer-Verlag. pp. 237.
- WARD, C.J., 1962. Report on weed growth in the upper reaches of St Lucia Estuary. St Lucia documentation Centre, Natal Parks Board, St Lucia Estuary.
- WATT, J.M., 1930. The poisonous plants of South Africa. J. med. Ass. S. Afr. 4: 221-225.
- WATT, J.M., 1937. Plants and poisoning in man with a short account of plant allergy. S. Afr. J. Sci. 33: 702-707.
- WATT, J.M. & BREYER-BRANDWIJK, M.G., 1928. The present position of our knowledge of South African medicinal and poisonous plants. S. Afr. J. Sci. 25: 227-236.
- WATT, J.M. & BREYER-BRANDWIJK, M.G., 1962. The medicinal and poisonous plants of Southern and Eastern Africa. 2nd edn. Edinburgh: Livingstone. pp. 1457.
- WEIBRENN, C., 1938. A comparative study of the osmotic values of the leaf saps of certain South African Highveld grasses. S. Afr. J. Sci. 35: 317-318.
- WEIMANN, H., 1955. The chemistry and physiology of grasses. In Meredith, D.(ed.). The grasses and pastures of South Africa, pp. 571-600. Johannesburg: Central News Agency.
- WEIMANN, H. & LE ROUX, R., 1946. A critical study of the Corsien balance method of measuring transpiration. S. Afr. J. Sci. 42: 147-153.
- WEIMARCK, H., 1933. Die verbreitung einiger afrikanisch-montanen pflanzengruppen, 1-2. Svensk bot. Tidskr. 27: 400-419.
- WEIMARCK, H., 1936. Die verbreitung einiger afrikanisch-montanen pflanzengruppen, 3-4. Svensk bot. Tidskr. 30: 36-56.
- WEINBRENN, C., 1940. Further investigation on the osmotic values of the leaf saps of certain South African highveld grasses. S. Afr. J. Sci. 36: 265-269.
- WEINBRENN, C., 1946. Preliminary account of an investigation into the germination of seeds of *Cynodon dactylon*. S. Afr. J. Sci. 42: 142-143.
- WEINMANN, A., 1937. Report on experiments with 'Fantastic'. Investigations on the storage of root reserves in some South African grasses. M.Sc. thesis, University of the Witwatersrand.
- WEINMANN, A., 1940. Storage of root reserves in Rhodes grass. Pl. Physiol., Lancaster 15: 467-484.
- WEINMANN, H., 1940. Seasonal chemical changes in the roots of some South African highveld grasses. JI S. Afr. Bot. 6: 131-146.
- WEINMANN, H., 1948. Investigations on the underground reserves of South African grasses. S. Afr. J. Sci. 2: 12-15.
- WEINMANN, H., 1949. Productivity of Marandellas sandveld

- pasture in relation to frequency of cutting. Rhodesia agric. J. 46: 175-189.
- WEINMANN, H., 1950. Productivity and nutritive value of star grass pastures. S. Afr. J. Sci. 47: 143-144.
- WEINMANN, H. & GOLDSMITH, E.P., 1949. Underground reserves of *Cynodon dactylon*. Pers. In Better turf through research. Johannesburg: AECI.
- WELLAN, J.A., 1965. The habitat of *Welwitschia bainesii* (Hook. f.) Carr. Kirkia 5: 33-35.
- WELMAN, W.G., 1970. The South African fern spores. In Van Zinderen Bakker, E.M.(Sr)(ed.), South African pollen grains and spores 4: 1-110. Cape Town: Balkema.
- WELSH, H., 1964a. A contribution to our knowledge of the blue-green algae of South West Africa. Nova Hedwigia 7: 15-32.
- WELSH, H., 1964b. A method of cleaning diatoms and the preparation of permanent slides for ecological survey work. News Lett. Limnol Soc. sth. Afr. No. 1, pp. 39-47.
- WELSH, H., 1965. A contribution to our knowledge of the blue-green algae of South West Africa and Bechuanaland. Nova Hedwigia 9: 131-162.
- WELWITSCH, F. & CURREY, F., 1870. Fungi angolenses: a description of the fungi collected by Dr Friedrich Welwitsch in Angola during the years 1850-1861. Trans. Linn. Soc., Lond. 26: 279-294.
- WEST, G.S., 1912. Freshwater algae of the Percy Sladen Memorial Expedition in South West Africa, 1908-1911. Ann. S. Afr. Mus. 9: 61-90.
- WEST, O., 1945. Distribution of mangroves in the eastern Cape Province. S. Afr. J. Sci. 41: 238-242.
- WEST, O., 1947. Umkouzane (*Dichapetalum cymosum*). Rhodesia agric. J. 44: 6.
- WEST, O., 1969. Reversing the decline in productivity of veld grazing in the southern Lowveld. Rhodesia agric. J. 66: 35-42.
- WEST, O., 1974. A field guide to the aloes of Rhodesia. Salisbury: Longmans Rhodesia.
- WHITE, A., DYER, R.A. & SLOANE, B.L., 1941. The succulent Euphorbiae (Southern Africa). Pasadena: Abbey Press.
- WHITMORE, J.S., 1956. Water in its relation to plant growth. J. S. Afr. For. Ass. No. 27, pp. 36-42.
- WICHT, H., 1962. Palms for gardens in Southern Africa. Cape Town: Howard Timmins.
- WICHT, H., 1967. Our indigenous palms. Afr. wild Life 21: 39-51.
- WICHT, H., 1969. The indigenous palms of Southern Africa. Cape Town: Howard Timmins. pp. 62.
- WILD, H., 1951. Evidence for the existence of ecotypes of the Msasa (*Brachystegia spiciformis* Benth.) in Southern Rhodesia. Proc. Trans. Rhod. scient. Ass. 43: 1-7.
- WILD, H., 1965. The African species of the genus *Melanthera*. Kirkia 5: 1.
- WILD, H., 1969. Geobotanical anomalies in Rhodesia. 1. The vegetation of copper-bearing soils. Kirkia 7: 1-71.
- WILD, H., 1970. Geobotanical anomalies in Rhodesia. 3. The vegetation of nickel-bearing soils. Kirkia suppl. 7.
- WILD, H., 1974a. Geobotanical anomalies in Rhodesia. 4. The vegetation of arsenical soils. Kirkia 9: 243-264.
- WILD, H., 1974b. The natural vegetation of gypsum-bearing soils in south central Africa. Kirkia 9: 279-292.
- WILD, H., 1975. The uptake of heavy metals by some succulent species of Rhodesian serpentines. Excelsa 5: 17-22.
- WILLAN, R. G. M., 1961a. Two new records of flowering trees (*Bolusanthus speciosus* and *Calodendrum capense*) in Nyasaland. Nyasaland J. 14: 43-47.
- WILLAN, R.G.M., 1961b. Two unusual indigenous trees, *Fernandoa magnifica* and *Burttidavya nyasica*. Nyasaland J. 14: 47-53.
- WILTSHIRE, G.H., 1972a. Effect of nitrogen source on translocation of nickel in some crop plants and weeds. Kirkia 8: 103-123.
- WILTSHIRE, G.H., 1972b. Response of highveld grass species to ammonium and nitrate nitrogen. Proc. Grassld Soc. sth. Afr. 7: 67-75.
- WILTSHIRE, G.H., 1973. Response of grasses to nitrogen source. J. appl. Ecol. 10: 429-435.
- WILTSHIRE, G.H., 1974. Growth of plants on soils from two metalliferous sites in Rhodesia. J. Ecol. 62: 501-525.
- WOOD, J.M., 1877. A popular description of the Natal ferns. Durban: T.L. Cullingworth. pp. 40.
- WOOD, R.A., 1972. Factors affecting nitrogen utilization by sugarcane in South Africa. Ph.D. thesis, University of Natal.

## ENVIRONMENT

- ABEL, H., 1953. Geomorphologische untersuchungen um Kaokoveld (Sudwestafrika). Deutscher Geographentag, Essen 29: 114-124.
- ABEL, H., 1954. Beitrage zur landeskunde des Kaokoveldes (Sudwestafrika). Dte geogr. Bl. 47, 1 & 2.
- ABEL, H., 1955. Beitrage zur landeskunde des Rehobother Westens (Sudwestafrika). Mitt. geogr. Ges. Hamb. 51.
- ACKERMANN, E., 1936. Dambos in Nordrhodesian. Wiss. Veroff. Mus. Landerk. Lpz. 24: 147-157.
- ACOCKS, J.P.H., 1966. Non-selective grazing as a means of veld reclamation. Proc. Grassld Soc. sth. Afr. 1: 33-39.
- ADAMSON, R.S., 1933. Some aspects of soil erosion. J. bot. Soc. S. Afr. 19: 13-16.
- ADLER, E.D., 1951. Soil conservation in the Union of South Africa. Soils Fertil., Harpenden 14: 263-267.
- ADLER, E.D., 1971. Interterritorial technical co-operation in southern Africa with special reference to SARCCUS. S. Afr. J. Sci. 67: 140-144.
- AGUIAR, F.Q. DE B., 1967. A Geomorfologia, como determinante na zonalidade dos solos e de vegetacao no Vale do Cussoi (Cela). Garcia de Orta 15.2: 249-258.
- AGUIAR, F.Q. DE B. & SILVA, J.M.V., 1969. A importancia das formacoes de recobrimto numa zona solos Ferraliticos em Angola. Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 8.
- AITKEN, R.D., 1922. The effect of slope exposure upon the climate and vegetation of a hill near Maritzburg: a preliminary investigation. S. Afr. J. Sci. 19: 207-217.
- ALEXANDER, W.J.R., 1973. Some comments on the diversion of the Mkuze river into Lake St Lucia. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- ALLAN, W., 1965. The African husbandman. Edinburgh & London: Oliver & Boyd. pp. 505.
- ALLANSON, B.R., 1960. The techniques and objectives of stream surveys. CSA/CCTA Pubs No. 64, pp. 213.
- ALLANSON, B.R. & VAN WYK, J.D., 1969. An introduction to the physics and chemistry of some lakes in northern Zululand. Trans. R. Soc. S. Afr. 38: 217-240.
- ALTONA, R.E., 1972. The influence of soil fertility on secondary succession. Proc. Grassld Soc. sth. Afr. 7: 20-22.
- ALTONA, R.E. & TILLEY, T.J., 1963. Oestrogenically active steroid extracts from grasslands. S. Afr. J. Sci. 59: 561-563.
- ANDERSSON, A.A., 1887. Twenty-five years in a wagon in the gold regions of Africa. 2 vols. London: Chapman & Hall. Vol. 1 pp. 307 & Vol. 2 pp. 253.
- ANDERSSON, C.J., 1861. The Okavango River: a narrative of travel, exploration and adventure. Cape Town: Struik (Africana Collectanea 29). pp. 371.
- ANDERSSON, R.J.F., 1968-1971. Climatic factors in Botswana. Botswana Notes and Records 2: 75-78.
- ANDREWS, F.W., 1945. The parasitism of *Striga hermonthica* on *Sorghum* spp. under irrigation. Ann. appl. Biol. 32: 193-200.
- ANNECKE, D.P., 1972. Progress towards an ecological approach to pest control. In Biological research and problems of the environment symposium, 2-10 July 1972, Johannesburg. pp. 55-62.
- ANON., 1955. Uitklophou vir erosie beplan. Veldtrust 16,12: 8-9.
- ANON., 1959. Dekade van grondbewaring in O.V.S. Veldtrust 20: 16-17, 19 & 27.
- APPELTON, C.C., 1974. A check-list of the flora and fauna of the Gladdespruit, Nelspruit District, eastern Transvaal. News Lett. Limnol. Soc. sth. Afr. No. 22, pp. 49-58.
- ARBOUSSET, T. & DAUMAS, F., 1846. Narrative of an exploratory tour to the north-east of the colony of the

- Cape of Good Hope. Translated by Brown, J.C. Cape Town: Struik (Africana Collectanea 27). pp. 330.
- ARCHIBALD, E.E.A., 1950. Plant populations. II. The estimation of the number of individuals per unit area of species in heterogeneous plant populations. *Ann. Bot.* 14: 7-21.
- ARCHIBALD, E.E.A., 1952. A possible method for estimating the area covered by the basal parts of plants. *S. Afr. J. Sci.* 48: 286-292.
- ARCHIBALD, R.E.M., 1972. Diversity in some South African diatom associations and its relation to water quality. *Wat. Res.* 6: 1229-1248.
- ASTLE, W.L., WEBSTER, R. & LAWRENCE, C.J., 1969. Land classification for management planning in the Luangwa Valley of Zambia. *J. appl. Ecol.* 6: 143-169.
- AUBREVILLE, A., 1949. *Climats, Forests et desertification de l'Afrique tropicale*. Paris: Societe d'Editions Geographiques Maritimes et.
- AUBREVILLE, A., 1965. Conceptions modernes en bioclimatologie en classification des formations vegetales. *Adansonia* 5,3: 297-306.
- AUBREVILLE, A., 1970. Vocabulaire de biogeographie appliquee aux regions Tropicales. *Adansonia* ser. 2,10: 439-497.
- BADENHORST, J.J., 1970. A geographical study of the Cape midlands and Karoo area with special reference to the physiography and elements of land use. Vol. 1. Survey of the Cape. Pretoria: Department of Planning.
- BAGNOULS, F. & GAUSSEN, H., 1964. Les Climats Tropicaux et le Vegetation. *Adansonia* 4,2: 262-268.
- BAIER, W.B., 1963. Studies on macroclimate and microclimate and their influence on crops (with special reference to Potchefstroom and the Highveld Region). M.Sc.(Agric.) thesis, University of Pretoria.
- BAILLIE, I.C., 1970. Some Swaziland examples of localised control of base levels: the middle Ngwempisi Basin. *S. Afr. geogr. J.* 52: 77-86.
- BAINBRIDGE, W.R., 1965. Distribution of seed in elephant dung (*Acacia*, *Ricinodendron*, *Baikiaea*, *Hyphaene*). *Puku* 3: 173-175.
- BALINSKY, B.I., 1962. Patterns of animal distribution on the African continent (summing-up talk). *Ann. Cape Prov. Mus.* 2: 299-310.
- BANKS, C.H., 1964. Potential vapour losses from a soil-filled lysimeter with natural scrub cover, as affected by herbicides and burning. *For. S. Afr. No. 4*, pp. 37-51.
- BANKS, P.F., 1969. Observations on the June 1968 frost and their effect on plantations and trial plots of exotic trees in Rhodesia. *Rhod. Sci. News* 3,4: 108-113.
- BARKER, M.D., 1960. Analysis of evaporation at Henderson Research Station. *Note Agric. Met. Rhod. Met. Serv.* No 4.
- BARNARD, W.S., 1964. Die streekspatrone van Suidwes-Afrika. D.Sc. thesis, University of Stellenbosch.
- BARNES, D.L., 1973. The soil-plant-animal complex. A conceptual basis for more effective research. *Proc. Grassld Soc. sth. Afr.* 8: 19-22.
- BARNES, D.L. & FRANKLIN, M.J., 1970. Runoff and soil loss on a sandveld in Rhodesia. *Proc. Grassld Soc. sth. Afr.* 5: 140-144.
- BARNES, J.T., 1972. A list of plants eaten by Nyala - *Tragelaphus angasi* Gray in False Bay Park, Zululand. University of Natal Wildlife Soc. News. 19.
- BASSON, N.C.J., 1971. Damage of natural grazing in the northern Free State by the harvester termite, *Hodotermes mossambicus* Hagen. *Phytophylactica* 4,3: 67-71.
- BAWDEN, M.G., 1965. Some soils of northern Bechuanaland with a description of the main vegetation zones. Directorate of Overseas Surveys, Tolworth, pp. 46.
- BAWDEN, M.G. & CARROLL, D.M., 1968. The land resources of Lesotho. Land Resource Study No. 3, Directorate of Overseas Surveys, Tolworth, pp. 87.
- BAWDEN, M.G. & STOBBS, A.R., 1963. The land resources of eastern Bechuanaland. Directorate of Overseas Surveys, Tolworth, pp. 93.
- BAYER, A.W., 1933. The relationship of vegetation to soil erosion in the Natal thornveld. *S. Afr. J. Sci.* 30: 280-287.
- BEATER, B.E. & FRANKEL, E., 1966. Alterations in chemical composition during the progressive weathering of Dwyka tillite and dolerite in Natal. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.*, pp. 250-251.
- BEAUCHAMP, R.S.A., 1953. Hydrological data from Lake Nyasa. *J. Ecol.* 41: 226-239.
- BECKLEY, V.R.S. & STIVEN, G., 1949. An investigation into the effect of some agricultural practices on some physical properties of the soil at Frankenwald. B.Sc. (Soil Conservation) joint report, University of the Witwatersrand.
- BEEKHUIS, J., 1944. Interception of rain by a stand of *Pinus radiata*. M.Sc. thesis, University of Stellenbosch.
- BEETZE, W., 1933. Geology of South West Angola; between Cunene and Luanda Axis. *Trans. geol. Soc. S. Afr.* 36: 137-176.
- BERRY, H.J., 1952. Die geologie van die driehoek: Caledon rivier, Jammersbergspruit en Basoetolandgrens, om die dorp Wepener. M.Sc. thesis, University of the Orange Free State.
- BESLER, H., 1972. Geomorphologie der dunen. Namib und Meer. 3: 25-35.
- BEWS, J.W., 1923. Criticisms and suggestions regarding drought in South Africa. *S. Afr. J. Sci.* 20: 202-203.
- BEWS, J.W. & AITKEN, R.D., 1922. The measurement of the hydrogen-ion concentration in South African soils in relation to plant distribution and other ecological problems. *S. Afr. J. Sci.* 19: 196-206.
- BEWS, J.W. & AITKEN, R.D., 1923. Measurement of light intensities in South Africa with special reference to plant habitats. *Mem. bot. Surv. S. Afr. No. 5*, pp. 33-44.
- BEWS, J.W. & AITKEN, R.D., 1924. The relation of hydrogen-ion concentration in South African soils in relation to plant distribution and other ecological problems. *J. Ecol.* 12: 349-350.
- BIOLOGIST KRUGER NATIONAL PARK. 1960. Grazing habits of mammals in the Kruger National Park. *Koedoe* 3: 127-167.
- BIROT, P., GODARD, A., PETIT, M. & TERS, M., 1974. Contribution a l'etude des surfaces d'aplanissement et de l'erosion differentielle dans le Transvaal septentrional et oriental (Afrique du Sud). *Revue Geogr. phys. Geol. dyn.* 2,16: 421-454.
- BLAIR RAINS, A. & MC KAY, A.D., 1968. The northern state lands, Botswana. Land Resource Study No. 5, Directorate of Overseas Surveys, Tolworth, pp. 125.
- BLAIR RAINS, A. & YALALA, A.M., 1972. The central and southern statelands, Botswana. Land Resource Study No. 11, Directorate of Overseas Surveys, Tolworth, pp. 118.
- BOND, G., 1965. Preliminary observations on the development of shoreline features on Lake Kariba. *Lake Kariba Fish Res. Inst. Symp. Kariba*.
- BOND, J., 1955. The barren lands of the copperbelt. *Veldtrust* 16,3: 16-17 & 27.
- BOOCOCK, C. & VAN STRATEN, O.J., 1962. Notes on the geology and hydrogeology of the Central Kalahari Region, Bechuanaland Protectorate. *Trans. Proc. geol. Soc. S. Afr.* 65,1: 125-176.
- BORCHERT, G., 1963. Sudost-Angola. Landschaft, Landschafts-haushalt und entwicklungsmoglichkeiten im Vergleich zum zentralen Hochland von Mittel-Angola. *Hamburger geogr. Stud.* 1: 1-131.
- BOSAZZA, V.L., ADIE, R.J. & BRENNER, S., 1946. Man and the Great Kalahari Desert. *J. Natal Univ. Coll. scient. Soc.* 5: 6-12.
- BOSCH, O.J.H. & VAN WYK, J.J.P., 1970. The influence of bushveld trees on the productivity of *Panicum maximum*: a preliminary report. *Proc. Grassld Soc. sth. Afr.* 5: 69-74.
- BOTELHO DA COSTA, S.V., 1953. Solos de Angola, Min de Ultramar. *Mem. Ser. Pedologia. Tropical* 1.
- BOTHA, A.D.P., 1963. Die invloed van gras (*Eragrostis curvula*) op die amonium en nitraatskikstof in 'n swart kleigrond. *S. Afr. J. agric. Sci.* 6: 3-19.
- BOTHA, A.D.P., SNYMAN, H.G., HAHNE, N.C.H. et al., 1968. Eienskappe van die gronde van die Navorsingsinstituut vir Tabak, Rustenburg. *Teg. Meded. Dep. Landbteg. Dienste, Pretoria, No. 74*, pp. 35.
- BOTHA, A.D.P., SNYMAN, H.G. & STEENKAMP, C.J., 1966. 'n Ondersoek van die gronde in die tabakproduserende gebied van die Katriviervallei. *Teg. Meded. Dep. Landbteg. Dienste, Pretoria, No. 54*, pp. 43.
- BOTHA, A.D.P. & STEENKAMP, C.J., 1967. 'n Ondersoek van die tabakproduserende gronde van die Ohrigstadvallei. *Teg. Meded. Dep. Landbteg. Dienste, Pretoria, No. 62*, pp. 26.

- BOTHA, D.P., 1970. Grondkartering in Suid-Afrika met behulp van gekleurde vertikale lugfotos. F.S.S.A.J. 2: 26-27.
- BOTHA, T., LAKER, M.C. & BURGER, R. Du T., 1972. The relationship between resin-extractable phosphorus and phosphate potentials for soils of the Hutton and Clovelly forms. *Agrochimophytica* 4,4: 77-82.
- BOUGHEY, A.S., 1960. Man and the African environment. *Proc. Trans. Rhod. scient. Ass.* 48: 8-18.
- BOUGHEY, A.S., 1963. The interaction between game animals, vegetation and fire in Southern Rhodesia. *Ohio J. Sci.* 63: 193-209.
- BOUGHEY, A.S., 1965. Early shore line vegetation on Lake Kariba. *Lake Kariba Fish Res. Inst. Symp.*, Kariba.
- BOUGHEY, A.S., MUNRO, P.E. & MEIKLEJOHN, J., 1964. Antibiotic reactions between African savanna species. *Nature, Lond.* 203: 1302-1303.
- BOWKER, A.I., 1933. Deterioration in South African vegetation and soil. B.Sc. report, University of the Witwatersrand.
- BRAIN, C.K., 1924. Host plant index of South African scale insects (Coccidae). *Annale Univ. Stellenbosch Serie A* 2,2: 1-44.
- BRAIN, C.K., 1951. The interrelationship of soil, water and vegetation. *Farmer's Weekly, Durban*, 3 Oct. pp. 12-15.
- BRAINE, C.D.H., 1908. Influence of forests on natural water-supply. *Rep. S. Afr. Ass. Advmt. Sci.* 1908: 111-133.
- BRAMMER, H., 1973. Mapping soils and topography in a small hilly drainage basin at Cathedral Peak Mountain Catchment Research Station. *Jnr (Geography) thesis*, University of Natal.
- BRAND, P.A.J., KEMP, P.H., OLIFF, W.D. & PRETORIUS, S.J., 1967. Water quality and abatement of pollution in Natal rivers. Part 3. The Tugela River and its tributaries. *Natal Town & Regional Planning Commission Report 13,1*, Pietermaritzburg.
- BRAND, P.A.J., KEMP, P.H., PRETORIUS, S.J. & SCHOONBEE, H.J., 1967a. Water quality and abatement of pollution in Natal rivers. Part 1. Objectives of river surveys, description of methods used and discussion of water quality criteria. *Natal Town & Regional Planning Commission Report 13,1*, Pietermaritzburg.
- BRAND, P.A.J., KEMP, P.H., PRETORIUS, S.J. & SCHOONBEE, H.J., 1967b. Water quality and abatement of pollution in Natal rivers. Part 2. Survey of the Three Rivers region. *Natal Town & Regional Planning Commission Report 13,1*, Pietermaritzburg.
- BRAYSHAW, E.C. & HERBST, E.S., 1963. The effect of temperature, nutrients and water status on soil aggregation of sandy Highveld soils. B.Sc. report, University of the Witwatersrand.
- BREVIS, J.G., 1954. Soil types of Highveld region. *Fmg S. Afr.* 29: 406-414.
- BROOK, G.A. & MAMETSE, M.N., 1970. Rainfall trend patterns in South Africa. *S. Afr. geogr. J.* 52: 134-138.
- BROWN, H.D. 1963. The Namib - a living desert. *Jl S. Afr. biol. Soc.* 4: 35-40.
- BROWN, J.C., 1875. *Hydrology of South Africa*. London: Henry S. King.
- BROWN, J.C., 1877a. Forest and moisture: on effects of forests on humidity of climate. *Edinburgh: Oliver & Boyd*.
- BROWN, J.C., 1877b. *Water supply of South Africa*. *Edinburgh: Oliver & Boyd*.
- BROWN, L., 1965. *Africa. A natural history*. New York: Random House, pp. 300.
- BROWN, N.A.C. & BOOYSEN, P. DE V., 1967. Seed germination and seedling growth of two *Acacia* species under field conditions in grassveld. *S. Afr. J. agric. Sci.* 10: 659-666.
- BROWN, P. & YOUNG, A., 1964. *The physical environment of Central Malawi*. Zomba: Government Printer, pp. 93.
- BROWN, R.C., 1974. Climate and climatic trends in the Ghanzi District. *Botswana Notes and Records* 6: 133-146.
- BROWN, W.R., 1923. The mesquite (*Prosopis juliflora*): a famine fodder for the Karoo. *J. Dep. Agric. Un. S. Afr.* 6: 62-67.
- BRYNARD, A.M., 1974. Die mens en sy omgewing met spesiale verwysing na die mens se direkte of indirekte invloed op die natuurlike omgewing en die bodem. *Proc. Grassld Soc. sth. Afr.* 9: 13-18.
- BUCHANAN, K. & HURWITZ, N., 1951. Land use in Natal. *Econ. Geogr.* 27: 222-237.
- BURDECKA, J.M., 1972a. Bibliography of regional meteorological literature. Vol. 2. Southern Africa 1948-1960. Pretoria: Department of Transport, Weather Bureau, WB 34. pp. 388.
- BURDECKA, J.M., 1972b. Bibliography of regional meteorological literature. Vol. 4. Republic of South Africa and adjacent territories 1960-1972. Pretoria: Department of Transport, Weather Bureau, WB 34.
- BURMAN, J., 1970. *Waters of the Western Cape*. Cape Town: Human & Rousseau.
- BURT DAVY, J., 1905a. The climate and life zones of the Transvaal. *Transv. agric. J.* 4: 114-134.
- BURT DAVY, J., 1905b. The climate and life-zones of the Transvaal. *Rep. S. Afr. Ass. Advmt. Sci.* 3: 513-538.
- BUTHUT, W., 1933. *Wasserwirtschaft in Sudwestafrika*. *Wasskraft und Wasswirt.* 28: 55-58 & 68-70.
- CACKETT, K.E., 1962. An analysis of evaporation at the Sabi Valley Experiment Station 1957-1961. *Note Agric. Met. Rhod. Nyasald Met. Serv.* No. 8.
- CAMERON, R.M., 1971. A submersible plankton pump. *News Lett. Limnol. Soc. sth. Afr. No.* 16, pp. 36-41.
- CAMPBELL, A. & CHILD, G., 1971. The impact of man on the environment of Botswana. *Botswana Notes and Records* 3: 91-110.
- CAMPBELL, A.C., 1968a. The Central Kalahari Game Reserve. Part 1. *Afr. wild Life* 22: 191-198.
- CAMPBELL, A.C., 1968b. Central Kalahari Game Reserve: Part 2. *Afr. wild Life* 22: 321-327.
- CAMPBELL, B.M., 1975. A preliminary report on the Sapree River catchment in the Konga Mountains, southern Cape. University of Cape Town.
- CAMPBELL, Q.P., EBERSOHN, J.P. & VON BROEMBSSEN, H.H., 1962. Browsing by goats and its effects on the vegetation. *Herb. Abstr.* 32: 273-275.
- CANNON, W.A., 1924. General and physiological features of the vegetation of the more arid portions of South West Africa, with notes on the climatic environment *Yb. Carnegie Instn Wash.* 354. pp. 159.
- CAREY, T.G., 1971. Hydrobiological survey of the Kafue Flood Plain. *Fish. Res. Bull. Zambia* 5: 245-295.
- CARTER, C.A., 1967. A survey of the surface water resources of the Upper Orange Catchment. M.Sc. (Eng.) thesis, University of the Witwatersrand.
- CARTER, D.B., 1954. *Climates of Africa and India, according to Thornthwaite's 1948 classification*. Laboratory for climatology. *Publs Clim.* 7: 455-475.
- CASIMIRO, J.F. & SANTOS OLIVIERA, J., 1968. Zonagem clima-isoaxifitica de Mocambique. *Revista de Ciencias Agronomicas Serie A* 1: 13-26.
- CASIMIRO, J.F., 1968. Um caso de podzolizacao em Mocambique. *Agronomia mocambicana* 2,2: 91-95.
- CHALLENGER, G., 1964. The relationship of land use to ecology in the Inyanga area of Southern Rhodesia. *IUCN Publications New Series* 4: 295-302.
- CHAPLIN, J.H., 1954a. On the wet season in Northern Rhodesia. *Weather, Lond.* 9: 272-275.
- CHAPLIN, J.H., 1954b. Some aspects of rainfall in Northern Rhodesia. 1. *Nth. Rhod. J.* 4: 32-38.
- CHAPLIN, J.H., 1955. Some aspects of rainfall in Northern Rhodesia. 2. *Nth. Rhod. J.* 6: 16-23.
- CHILD, G., 1972. Water and its role in nature conservation and wild life management in Botswana. *Botswana Notes and Records* 4: 253-255.
- CHOLNOKY, B.J., 1953. Studie der Okologie der diatomeen eines eutrophen subtropischen Gewässers. *Ber. dt. bot. Ges.* 66: 346-356.
- CHOLNOKY, B.J., 1955. Hydrobiologische untersuchungen in Transvaal. 1. *Hydrobiologia* 7: 137-209.
- CHOLNOKY, B.J., 1958. Hydrobiologische Untersuchungen in Transvaal. II. Selbstreinigung im Jukskei-Crocodile Fluss-system. *Hydrobiologia* 2,34: 205-206.
- CHUTTER, F.M., 1970. Hydrobiological studies in the catchment of Vaal Dam, South Africa. 1. River zonation and the benthic fauna. *Int. Revue ges. Hydrobiol. Hydrogr.* 55: 445-494.
- CHUTTER, F.M., 1972. An empirical biotic index of the quality of water in the S. African streams and rivers. *Wat. Res.* 6: 19-30.

- CLARKE, G.C.L., 1968. Frost and frost protection (A Rhodesia Scientific Association Symposium). *Rhod. Sci. News* 2,11: 246.
- CLOWES, A.J., 1950. An introduction to the hydrology of South African waters. *Rep. S. Afr. Mar. Biol. Surv.* No. 12: 1-42.
- COATON, W.G.H., 1954. Veld reclamation and Harvester Termite control. *Fmg S. Afr.* 29: 243-248.
- COATON, W.G.H., 1958. The hodotermitid harvester termites of South Africa. *Sci. Bull. Dep. Agric. Un. S.Afr.* No. 375, pp. 112.
- COATON, W.G.H. & SHEASBY, J.L., 1972. Preliminary report on a survey of the termites (Isoptera) of South West Africa. *Cimbebasia Memoir* 2: 129.
- COCHE, A.G., 1971. Lake Kariba Basin: A multidisciplinary bibliography, annotated and indexed 1954-1968. *Fish. Res. Bull. Zambia* 5: 11-86.
- COELHO, A.V.P., 1959. Primeiro reconhecimento peliografico da Serra da Gorongosa (Mocambique). *Bolm Serv. Geol. Min.* 25: 13-71.
- COETSEE, G., 1967. Rapid and slow rotational grazing with sheep in the broken red ridge veld of Griquatown. *Fmg S. Afr.* 42,12: 56-57.
- COHEN, C., 1949. The occurrence of fungi in the soil after different grazing and burning treatments of the veld. Part I. *S. Afr. J. Sci.* 46: 260-265.
- COLE, M.M., 1963. Vegetation and geomorphology in Northern Rhodesia: an aspect of the savanna of central Africa. *Geogr J.* 129: 290-310.
- COMPTON, R.H., 1923. Drought in the South-West Cape. *S. Afr. J. Sci.* 20: 193-195.
- COMPTON, R.H., 1924. Some aspects of the fact that South Africa is a dry country. *S. Afr. J. nat. Hist.* 4: 11-23.
- COMPTON, R.H., 1940. Mountains and their vegetation. *J. bot. Soc. S. Afr.* 26: 12-14.
- CONNAUGHTON, C.A., 1935. Forest fires and accelerated erosion. *Forestry* 33: 751-752.
- COOKE, H.B.S., 1946. Some observations on rainfall distribution in South Africa. *S. Afr. geogr. J.* 27: 34.
- COOKE, H.J., 1975. The Paleoclimatic significance of caves and adjacent landforms in western Ngamiland, Botswana. *Geogr J.* 141,3: 430-444.
- COOPER, G.R., 1972. A field method for the estimation of sodium status of Rhodesian soils. *Rhodesia agric. J.* 69: 127-128.
- COOPER, O.J. & SHIFF, C.J., 1955. The animal association of Renosterbos, *Elytropappus rhinocerotis*. (L.) Less. *S. Afr. J. Sci.* 51: 345-347.
- COSTA, J.V. & AZEVEIO, A.L., 1953. *Solos de Angola*. Min Ultramar, Lisbon.
- COUTINHO, L.P., 1963. Valor alimentar para o gado de alguns pastos de mocambique. *Revta agric., Lourenco Marques Jan.* pp. 17-18.
- COUTINHO, L.P., 1967. Composicao quimica e valor alimentar para o gado de alguns pastos de Mocambique. *Revta agric., Lourenco Marques Mar.* pp. 17-21.
- COUTTS, J.E.G., 1945. Effect of veld burning on the base exchange capacity of a soil. *S. Afr. J. Sci.* 41: 218-224.
- COX, G.W., 1925. Periodicity in rainfall. *Trans. R. Soc. S. Afr.* 12: 295-229.
- CRAIB, I.J., 1929. Moisture versus light as the limiting factor in forest development. *S. Afr. J. Sci.* 26: 247-257.
- CRESSWELL, C.F., 1958. A quantitative investigation of the absorption of certain plant cations by whole plant and plant tissue. M.Sc. thesis, Rhodes University.
- CRESSWELL, C.F. & NELSON, H., 1972. The effect of boron on the breaking, and possible control of dormancy of seed of *Themeda triandra* Forssk. *Ann. Bot.* 36,147: 771-780.
- CRIPPS, L., 1909. The erosion of soil. *Rhodesia agric. J.* 6: 669-670.
- CURSON, H.H., 1927. The poisonous plants of South Africa. *Jl S. Afr. vet. med. Ass.* 1: 45.
- CURSON, H.H., 1928. Some little known South African poisonous plants and their effects upon stock. *Rep. vet. Res. Un. S. Afr.* 13-14, pp. 205-229.
- DA SILVA TEIXEIRA, A.J., 1953. A conservacao do solo na Basutolandia. *Mems Trab. Cent. Invest. cient. algod.* 75.
- DAVIDSON, R.L., 1942. Some vegetation and habit relationships of the spotted maize beetle. University of the Witwatersrand.
- DAVIDSON, R.L., 1943. Some observations on the relationship between vegetation and insect populations. *S. Afr. J. Sci.* 39: 139-149.
- DE BRUIJN, C.M.A., 1967a. Annual vertical movements and soil moisture redistribution at the Onderstepoort test site. *Proc. 4th Reg. Conf. Africa Soil Mech.*, pp. 235-242.
- DE BRUIJN, C.M.A., 1967b. Laboratory psychrometer/cryoscope and portable psychrometer for measuring moisture potentials of soil samples. *Proc. 4th Reg. Conf. Africa Soil Mech.*, pp. 243-248.
- DE GRAAF, G., 1962. On the nest of *Cryptomys hottentotus* in the Kruger National Park. *Koedoe* 5: 157-161.
- DE JAGER, J.M., 1964. Design and construction of a sensitive heat flux plate. *S. Afr. J. agric. Sci.* 7: 531-542.
- DE JAGER, L.A., 1967. 'n Benuttingstudie van natuurlike veld in die Bankenveld met merinohamels. M.Sc. (Agric.) thesis, University of Pretoria.
- DE JAGER, L.A. & JOUBERT, D.M., 1968. Benutting van natuurlike weiding in die Transvaalse Bankenveld deur Merinohamels. *Tydskr. Natuurwet.* 8: 1-26.
- DE KIEWIET, G.M., 1955. Some factors influencing nitrogen accumulation in soils. Johannesburg: University of the Witwatersrand.
- DE VILLIERS, G. D. B., 1949. Climatology in relation to land use with special reference to the influence of climate on fruit growing. In *Statements and communications of the African regional scientific conference, 17-28 Oct. 1949, Johannesburg*, 2: 37-41.
- DE VILLIERS, J., 1962. A study of soil formation in Natal. Ph.D. thesis, University of Natal.
- DE VILLIERS, J.M., 1964a. The genesis of some Natal soils. 1. Clovelly, Kranskop and Balmoral Series. *S. Afr. J. agric. Sci.* 7: 417-438.
- DE VILLIERS, J.M., 1964b. A case of subsoils mottling developed under non-hydromorphic conditions. *S. Afr. J. agric. Sci.* 7: 653-658.
- DE VILLIERS, J.M., 1965. The genesis of some Natal soils. II. Estcourt, Avalon, Bellevue and Rensburgspruit Series. *S. Afr. J. agric. Sci.* 8: 507-524.
- DE VOS, A., 1975. Africa - the devastated continent. The Hague: Junk.
- DE WET, J.A., 1973. Sediment deposition. *Civ. Engr S. Afr.* 15,4:110-111.
- DE WINTER, B., 1962. Plant life of the Namib Desert. *S. Afr. biol. Soc.* 3: 19-20.
- DE WINTER, B., 1966. Remarks on the distribution of some desert plants in Africa. In *Van Zinderen Bakker, E. M. (Sr) (ed.), Palaeoecology of Afr.* 1: 188-189. Cape Town: Balkema.
- DE WINTER, B., 1971. Floristic relationships between the northern and southern arid areas in Africa. *Mitt. bot. StSamml. Münch.* 10: 424-437.
- DEBENHAM, F., 1948. Report on the water resources of Bechuanaland. London: HMSO.
- DEMARET, F., 1954. Une collection de muscinees des hautes altitudes. *Bull. Jard. bot. Etat Brux.* 24: 451-459.
- DIERSCHKE, H., 1975. Vegetation und substrat. *Vaduz: Cramer.* pp. 550.
- DINIZ, A.C., 1959. Os solos da Regiao da Cela. *Agronomia angol.* 11: 39-48.
- DINIZ, A.C., 1967. Esquema Geral de aproveitamento do cunene. Os solos e a Sua Capacidade de Utilizacao para O Regadio. Fomento, Lisboa 5,4: 289-307.
- DINIZ, A.C., 1973. Caracteristicas mesologicas de Angola. Nova Lisboa: Missao de Triqueritos Agricolas de Angola.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1968. Estudo dos Solos do Plato de Luanda (Zona Oriental). Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 4.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1972. Os Solos e a vegetacao do Planalto Oerdental da Cela (Estudo Interpretativo). Nova Lisboa, Instituto de Investigacao Agronomica de Angola, Serie Cientifica 26.
- DINTER, K., 1912. Die vegetabilische Veldkost Deutsch-Sudwest-Afrikas. Okahandja: Im Selbstverlag. pp. 47.
- DIXEY, F., 1944. The geomorphology of Northern Rhodesia. *Trans. geol. Soc. S. Afr.* 47: 9-45.
- DIXEY, F., 1955. Some aspects of the geomorphology of central and southern Africa. A. L. du Toit Memorial Lectures 4. *Trans. & Proc. geol. Soc. S. Afr. suppl.* 58.

- DOIDGE, E.M., 1924. A preliminary check-list of plant diseases occurring in South Africa. Mem. bot. Surv. S. Afr. No. 6, pp. 56.
- DOIDGE, E.M. & BOTTOMLEY, A.M., 1931. Revised list of plant diseases occurring in South Africa. Mem. bot. surv. S. Afr. No. 11, pp. 78.
- DONALDSON, C.H., 1967. The immediate effects of the 1964/66 drought on the vegetation of specific study areas in the Vryburg district. Proc. Grassld Soc. sth. Afr. 2: 137-141.
- DONALDSON, C.H. & KELK, D.M., 1974. Bush eradication and control in the Molopo area: goats and sheep in the utilization and control of sage bush- blackthorn veld. Agric. Res., Pretoria, pp. 170.
- DOWNING, B.H., 1968. Subsurface erosion as a geomorphological agent in Natal. Trans. geol. Soc. S. Afr. 71: 131-134.
- DOWNING, B.H., 1972. A plant ecological survey of the Umfolozi Game Reserve, Zululand. Ph.D. thesis, University of Natal.
- DOWNING B.H., 1974. Reactions of grass communities to grazing and fire in the sub-humid lowlands of Zululand. Proc. Grassld Soc. sth. Afr. 9: 33-37.
- DU PLESSIS, M.C.F. & KROONTJIE, W., 1964. The relationship between pH and ammonia equilibria in soil. Proc. Soil Sci. Soc. Ann. 28: 751-754.
- DU PLESSIS, M.C.F. & MOSTERT, J.W.C., 1965. Afloop en grondverlies by die Landbounavorsingsinstituut Glen. S. Afr. Tydskr. Landbouwet. 8: 1051-1060.
- DU PLESSIS, S.F. & BURGER, R. DU T., 1965. A composition of chemical extraction methods for the evaluation of phosphate availability of top soils. S. Afr. J. agric. Sci. 8: 1113-1122.
- DU PLESSIS, S.F. & BURGER, R. DU T., 1966a. Phosphate fixation studies on two sandy soils of the Orange Free State Region. S. Afr. J. agric. Sci. 9: 117-126.
- DU PLESSIS, S.F. & BURGER, R. DU T., 1966b. The availability of different phosphate fractions. S. Afr. J. agric. Sci. 9: 331-340.
- DU PLESSIS, S.F. & BURGER, W.P., 1966. Comparison of two methods for determining organic carbon in soils. S. Afr. J. agric. Sci. 9: 721-724.
- DU PLOOY, P.W., 1950. Die klimaat van Natal. M.Sc. thesis, University of Pretoria.
- DU PREEZ, C.M.R., 1965. Why Karoo bushes are drought resistant. Fmg S. Afr. 41: 17-19.
- DU TOIT, A.A., 1968. The soils of the sugar-producing areas in the south-eastern Lowveld of Rhodesia. Rhodesia agric. J. 65:4: 82-86.
- DU TOIT, A.L., 1938. Geological and soil characteristics in relation to deterioration and conservation of natural resources in the Union. S. Afr. J. Sci. 35: 470-476.
- DU TOIT, P.F., 1971. Incidence and intrusion of *Acacia karroo* in the Eastern Cape Region: influence of angora goat and merino sheep grazing on *A. karroo* regrowth. Agric. Res., Pretoria, pp. 173-175.
- DU TOIT, P.F., 1972a. Incidence and intrusion of *Acacia karroo* in the Eastern Cape Region: influence of Boer goat and German merino sheep grazing on *A. karroo* regrowth. Agric. Res., Pretoria, pp. 171-172.
- DU TOIT, P.F., 1972b. The goat in a bush-grass community. Proc. Grassld Soc. sth. Afr. 7: 44-50.
- DU TOIT, P.F., 1974. Studies on various grazing systems for the Dohne Sourveld: effects of time and height of winter defoliation as well as moisture in spring on regrowth. Agric. Res., Pretoria, pp. 172-176.
- DU TOIT, P.F. & INGPEN, R.A., 1970. Some effects of winter grazing of Dohne sourveld. Proc. Grassld Soc. sth. Afr. 5: 27-31.
- DU TOIT, R., 1947. The common reed (*Phragmites communis*) for soil erosion control. Fmg S. Afr. 22: 753-757.
- DYER, I.G.J., 1975. Secular variations in South African rainfall. Ph.D. thesis, University of the Witwatersrand.
- DYER, R.A., 1947. A note on the distribution of succulent *Euphorbia* in South Africa in relation to climate. Natn. Cactus. Succul. J. 2: 28-30.
- DYER, R.A., 1955. Structural and physiological features of the vegetation of arid and semi-arid areas of the Union of South Africa. In Plant ecology, proceedings of the Montpellier symposium, UNESCO, Paris. Arid Zone Research No. 5.
- DYER, T.G.J., 1975. Solar activity and rainfall variation in South Africa. S. Afr. J. Sci. 71: 369-372.
- EBERSOHN, J.P., 1951. Veld management and land use studies at Koopmansfontein Agricultural Research Station, north-western Cape Province. Prog. Rep. Past. Res. S. Afr. No. 3,2. pp. 180-195.
- EDMONSTONE-SAMMONS, C., 1955. The fungal flora associated with black spot of pineapples. Part 2. Some aspects of the microflora of citrus soils. M.Sc. thesis, Rhodes University.
- EDWARDS, D., 1973. An assessment of ERTS-1 imagery for detecting vegetation patterns in the central Tugela River catchment area of Natal, South Africa. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale, CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 38-47.
- EDWARDS, D. & BENNISON, R.H. (eds), 1973. Report by November 1972 joint Botswana - South Africa survey of the extent and degree of occurrence of *Salvinia molesta* (Kariba weed) in the Chobe-Linyanti Kwando River system. Department of Agriculture, Pretoria, pp. 14.
- EDWARDS, D. & LEISTNER, O.A., 1971. A degree reference system for citing biological records in South Africa. Mitt. bot. StSamml., Münch. 10: 501-509.
- EDWARDS, P.J., 1967. Variation between observers using the point bridge method of botanical survey. S. Afr. J. agric. Sci. 10: 651-658.
- EDWARDS, P.J., 1971. Veld burning with grazing in the tall grassveld. Agric. Res., Pretoria, pp. 114.
- EICKER, A., 1968. An ecological survey of the soil mycoflora of two forest communities in Zululand. D.Sc thesis, Potchefstroom University for CHE
- EICKER, A., 1970a. Ecological observations on soil fungi. S. Afr. J. Sci. 66: 327-334.
- EICKER, A., 1970b. Vertical distribution of fungi in Zululand soils. Trans. Br. mycol. Soc. 55,1: 45-57.
- ELLIS, B.S., 1950. A guide to some Rhodesian soils. II. A note on Mopani soils. Rhodesia agric. J. 48: 49-61.
- ELLIS, B.S., 1951. The soils of Rhodesia. Rhodesia agric. J. 48: 182-212.
- ELOFF, F.G., 1971. Die mens en sy omgewing. Lantern, Dec., pp. 80-85.
- ENGELBRECHT, C.J., 1969. Soil survey of George area. M.Sc. (Agric.) thesis, University of Stellenbosch.
- ENSLIN, J.F., 1971. Groundwater in riverbeddings in Suid-Afrika. S. Afr. J. Sci. 67: 109-118.
- ERNST, W., 1972. Ecophysiological studies on heavy metal plants in south central Africa. Kirkia 8: 125-145.
- ERNST, W.H.O., 1974. Schwermetallvegetation der Erde. Stuttgart: Fischer.
- FABRICIUS, A.F., 1964. Drought investigation: north-western Transvaal. S. Afr. J. Sci. 60: 267-275.
- FAIR, T.J.D. & KING, L., 1954. Erosional land surfaces in the eastern marginal areas of South Africa. Trans. geol. Soc. S. Afr. 57: 19-26.
- FANSHAW, D.B., 1962. *Baikiaea* on basalt. For. Newsl. Nth. Rhod. 84: 17-18.
- FANSHAW, D.B., 1968. The vegetation of Zambian termitaria. Kirkia 6: 169-179.
- FERRAR, A.A. & WALKER, B.H., 1974. An analysis of herbivore/habitat relationships in the Kyle National Park, Rhodesia. J. sth. Afr. Wildl. Mgmt Ass 4: 137-147.
- FERREIRA, J.C., 1973. Preliminary investigation of the hydrobiology of the erven to be impounded by the Dorwendale Dam. University of Rhodesia (cyclostyled report).
- FEY, M., 1970. A preliminary investigation into the effects of afforestation of the headwaters of streams in the Natal Midlands. University of Natal Wildlife Soc. Newsl. 16, pp. 30.
- FORBES, A.T. & ALLANSON, B.R., 1970. Ecology of the Sundays River. 1. Water chemistry. Hydrobiologia 36: 479-488.

- FOSTER, R.E.D., n.d. An investigation of the effects of seasonal overgrazing on the sward. M.Sc. (Agric.) thesis, University of Pretoria.
- FOURNIER, F., 1967. Research on soil erosion and soil conservation in Africa. *Soils afr.* 12: 53-96.
- FRANKEL, E. & BEATER, B.E., 1965. The weathering of granite on the south coast of Natal. *Proc. 39th Cong. S. Afr. Sug. Technol. Ass.* pp. 254-257.
- FROMMURZE, H.F., 1949. Receding underground water levels. *S. Afr. J. Sci.* 46: 1.
- GAFF, D.F., 1972. Drought resistance in *Welwitschia mirabilis* Hook. f. *Dinteria* 7: 3-7.
- GAFF, D.F. & ELLIS, R.P., 1974. Southern African grasses with foliage that revives after dehydration. *Bothalia* 11: 305-308.
- GANSSEN, R., 1963. Sudwestafrika, boden und bodenkultur. Versuch einer Klimapedologie der Trockengebiete. Berlin: Reimer. pp. 160.
- GANSSEN, R. & MOLL, W., 1961. Beitrage zur Kenntnis der Boden warm-arider Gebiete, dargestellt am Beispiel Sudwestafrikas. *Z. Pflernähr. Dung. Bodenk.* 94: 9-25.
- GELLERT, J.F., 1950a. Ein Jahrzehnt Niederschlags-schwankungen und ihre Auswirkungen auf das Weideveld und die Wirtschaft. *Erkunde* 4: 110-112.
- GELLERT, J.F., 1950b. Regen-und Durrekatastrophen im südlichen Afrika. *Urania* 13: 223-229.
- GEVERS, T.W., 1948. Drying rivers in the north-eastern Transvaal. *S. Afr. geogr. J.* 30: 17-44.
- GEVERS, T.W., 1950. Effects of afforestation on water supplies. With reference to Bulletin No.33, Department of Forestry, Union of South Africa. *Jl S. Afr. For. Ass.* No. 19, pp. 67-76.
- GEVERS, T.W. & HART, O., 1963. Thermal waters along the Swakop River, South West Africa. *Trans. geol. Soc. S. Afr.* 66: 157-189.
- GEYER, J.W.C., 1947. A study of the biology and ecology of *Exochamus flavipes* Thunb. (Coccinellidae, Coleoptera). Part 1 and 2. *J. ent. Soc. sth. Afr.* 9: 219-234 & 10: 64-109.
- GILLARD, P., 1963. The effect of grazing intensity on cattle gains and on the vegetation of the Bankenveld. *S. Afr. J. Sci.* 59: 64-65.
- GILLARD, P., 1966. Responses to grazing intensity on the Transvaal Highveld. *Expl. Agric.* 2: 217-224.
- GILLHAM, M.E., 1963. Some interactions of plants, rabbits and sea birds on South African Islands. *J. Ecol.* 51: 275-294.
- GLOVER, P.E. & VAN RENSBURG, H.J., 1938. A contribution to the ecology of the highveld grassland at Frankenwald, in relation to grazing and burning. *S. Afr. J. Sci.* 35: 274-279.
- GOLDTHORP, G.D., 1957. The ecology and land use of the Bellingwe Shabani Intensive Conservation Area. *Rhodesia agric. J.* 54: 402-437.
- GOMES E SOUSA, A. DE F., 1968. Mozambique flora of maritime dispersal (a brief outline). *Agronomia mocambicana* 2: 127-137.
- GOMES, M.P., 1969. Solos "Musseques" da Bacia Sedimentar do Cuanza. Nova Lisboa, Instituto de Investigacao Agronomica de Angola.
- GONCALVES, C.A. & SOARES, H., 1972. Actualizacao do estudo climatico e definicao de zonas de sequeiro e definicao de zonas de regadio no Vale do Zambese. *Fomento, Madr* 10.4: 313-491.
- GOODMAN, P.S., 1975. The relation between vegetation structure and its use by wild herbivores in a riverine habitat. M. Sc. thesis, University of Rhodesia.
- GORTER, G.J.M.A., 1971. Nuwe rigtings in die chemiese bestryding van plantsiektes. *Tydskr. Natuurwet* 11,2: 82-92.
- GOSNELL, J.M. & THOMPSON, G.D., 1965. Preliminary studies on soil moisture extraction by sugarcane using the neutron probe. *S. Afr. Sug. J.* 49: 253-265.
- GOUDIE, A., 1972. Climate, weathering, crust formation, dunes and fluvial features of the central Namib Desert, near Gobabeb, South West Africa. *Madoqua* 2,1: 15-31.
- GOUEIA, D.G., 1968. Vertisols of the north of Mozambique. *Agronomia mocambicana* 2,3: 139-147.
- GOUEIA, D.G. & AZEVEDO, A.L., 1955. Os solos. Cap 5. In *Esboco do reconhecimento ecologico - agricola de Mozambique*. Vol. 2. Mems Trab. Cent. Invest. cient. algod. 23: 3-63.
- GRAHAM, E.H., 1944. Natural principle of land use. New York: Oxford University Press.
- GRAHAM, M. & HALL, T.D., 1933. Pasture investigations in Southern Rhodesia. *S. Afr. J. Sci.* 30: 288-306.
- GRANT, P.M., 1967a. The fertility of sandveld soil under continuous cultivation. 1. The effect of manure and nitrogen fertilizers on the nitrogen status of the soil. *Rhod. Zambia & Malawi J. Agric. Res.* 5: 71-79.
- GRANT, P.M., 1967b. The fertility of sandveld soil under continuous cultivation 2. The effect of manure and nitrogen fertilizer on the base status of the soil. *Rhod. Zambia & Malawi J. Agric. Res.* 5: 117-128.
- GRASOVSKY, A., 1938. Erosion and desiccation studies in three continents. *Emp. For. J.* 17: 203-210.
- GREEN, G.C., 1970. Wet and dry spells at Nelspruit. *Agrochemophysica* 2: 43-52.
- GREEN, G.C. & TILLEMA, J.E., 1966. Minimum temperature survey in relation to winter vegetable experimentation at Barberton. *S. Afr. J. agric. Sci.* 9: 137-152.
- GROBBELAAR, N., STRAUSS, J.M. & GROENEWALD, E.G., 1971. Non-leguminous seed plants in southern Africa which fix nitrogen symbiotically. *Pl. Soil Special volume*, pp. 325-334.
- GROBLER, J.H., 1967. Suur-oplosbare sink in gronde van die Hoeveldstreek. *S. Afr. J. agric. Sci.* 10: 841-842.
- GROBLER, J.H., 1970. Soil conservation. *Fmg S. Afr.* 46,9: 37-39.
- GROBLER, J. H., EDWARDS, P. J. & GERICKE, S. J., 1970. Handleiding om grondgebruiksklassifikasie as basis vir bewaringsboerdery te verduidelik. In *Optimale bodembenuiting in die landbou*, pp. 27-34. Pretoria: Department of Agricultural Technical Services.
- GROOTENBOER, J., 1973. The influence of seasonal factors on the recognition of surface lithologies from ERTS-imagery of the Western Transvaal. Third earth resources technology satellite-1 symposium. Technical presentations 1,B: 643-656.
- GRUNDLINGH, C.F., 1967. Die beweging van chloried-, nitraat- en fosfaate in 'n Vrystaatse sandgrond. *S. Afr. J. agric. Sci.* 10: 289-292.
- GRUNOW, J.O., 1959. Rapid rotational grazing system most effective on sour veld. *Fmg S. Afr.* 35,2: 40-41.
- GRUNOW, J.O. & VAN GINKEL, B., 1965. Determination of the bulk utilization of different veld grasses under grazing conditions by means of an individual tuft clipping method. *S. Afr. J. agric. Sci.* 8: 487-506.
- GUERREIRO, M.G., 1966. African forests and biotic factors. Preliminary observations on an investigation in Mozambique. Luanda: Instituto de Investigacao Cientifica de Angola. pp. 174.
- GUILLLOTEAU, J., 1955. The problem of arid zones. *Sols afr.* 3,3.
- GUILLLOTEAU, J., 1957. The problem of bush fires and burns in land development and soil conservation in Africa south of the Sahara. *Sols afr.* 4,2: 64-102.
- GUY, G.L., 1970. *Adansonia digitata* and its rate of growth in relation to rainfall in south central Africa. *Proc Trans. Rhod. scient. Ass.* 54: 68-84.
- HAILEY, W.B., 1957. An African survey; a study of problems arising in Africa south of the Sahara. Revised edn. London: Oxford University Press.
- HALL, T.D., 1931. Intensive grazing on veld. *S. Afr. J. Sci.* 28: 202-204.
- HALL, T.D., 1932. Intensive grazing on veld. 2. *S. Afr. J. Sci.* 29: 389-413.
- HALL, T.D. & MEREDITH, D., 1937. Intensive grazing on veld. 4. The effect of rotational grazing and fertilizing on veld over a six-year period. *S. Afr. J. Sci.* 33: 404-430.
- HALL, T.D. & MOSES, D., 1935. Intensive grazing on veld. 3. The role of intensive management in wool production in the eastern Transvaal. *S. Afr. J. Sci.* 32: 205-222.
- HALL, T.D. & MURRAY, S.M., 1935. The botanical analysis of intensively grazed pastures. *S. Afr. J. Sci.* 32: 189-196.
- HALL-MARTIN, A.J., 1974a. A note on the seasonal utilization of different vegetation types by giraffe. *S. Afr. J. Sci.* 70: 122-123.
- HALL-MARTIN, A.J., 1974b. Food selection by Transvaal lowveld giraffe as determined by analysis of stomach contents. *J. sth. Afr. Wildl. Mgmt Ass.* 4: 191-202.
- HALL-MARTIN, A.J., 1975. The influence of man and wildlife

- on Rift Valley plant communities of Malawi. *Jl S. Afr. biol. Soc.* 16: 20-45.
- HARMSE, H.J. VON M., 1967. Soil genesis in the Highveld region South Africa. Ph.D. thesis, Ryks University, Utrecht, The Netherlands.
- HARMSE, H.J. VON M. & GROBLER, J.H., 1966. Grondstreek in die Hoefeldstreek. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 55. pp. 38
- HARRISON, A.D., 1955. A preliminary report of a hydrobiological survey of the Great Berg River, western Cape Province. *Proc. int. Ass. theor. appl. Limnol.* 12: 345-350.
- HARRISON, A.D., 1962. Hydrobiological studies on alkaline and acid still-waters in the western Cape Province. *Trans. R. Soc. S. Afr.* 36: 213-244.
- HARRISON, A.D. & ELSWORTH, J.F., 1958. Hydrobiological studies on the Great Berg River, western Cape Province. Part I. General description, chemical studies and main features of the flora and fauna. *Trans. R. Soc. S. Afr.* 35: 125-226.
- HARTWIG, E.K., 1965. Die nesstelsel van die grasdraertermiet *Hodotermes mossambicus* Hagen (Isoptera) en aspekte rakende bestryding. *S. Afr. Tydskr. Landbouwet.* 8: 643-660.
- HATTINGH, E.R., 1961. Problem of *Salvinia auriculata* Aubl. and associated aquatic weeds on Lake Kariba. *Weed Res.* 1: 303-306.
- HAVENGA, M.C.G., 1970. The role of organic matter in the production ecology of grassveld. M.Sc. (Agric.) thesis, University of Pretoria.
- HAVILAND, P.H., 1927. Preventative measures against soil erosion in Southern Rhodesia. *S. Afr. J. Sci.* 24: 110-116.
- HAYLETT, D.G., 1968. Population growth and food resources in South Africa. *S. Afr. J. Sci.* 64: 369-374.
- HECTOR, J.M. & IRVINE, L.F., 1934. Pasture studies. III. A preliminary analysis of the grazing conditions on a Volksrust farm. *S. Afr. J. Sci.* 31: 315-319.
- HEIDIKE, P., 1920. Die Niederschlagsverhältnisse von Deutsch Südwestafrika. *Mitt. dt. Schutzgeb.* 32: 36-186.
- HENKEL, J.S., 1928. The relation of vegetation to water supply in Southern Rhodesia. *S. Afr. J. Sci.* 25: 38-51.
- HENKEL, J.S., 1933. The relationship of vegetation to soil erosion in the Natal thorn veld. *S. Afr. J. Sci.* 30: 280-287.
- HENKEL, J.S. & BAYER, A.W., 1932. The Wattle Bagworm (*Acanthopsyche junodi* Heyl): an ecological study. *S. Afr. J. Sci.* 29: 355-365.
- HENKEL, J.S., BAYER, A.W. & COUTTS, J.R.H., 1938. Subsurface erosion on a Natal Midlands farm. *S. Afr. J. Sci.* 35: 236-243.
- HENNESSY, E.F., 1974. Dune vegetation in Natal. *Veld & Flora* 4: 47-49.
- HENRICI, M., 1926a. Growth of veld plants under arid conditions of Bechuanaland. *S. Afr. J. Sci.* 23: 325-339.
- HENRICI, M., 1926b. Physiological plant studies in South Africa. Part 2. Transpiration of grasses and other plants under arid conditions. *Rep. vet. Res. Un. S. Afr.* No. 11-12, pp.671-702.
- HENRICI, M., 1926c. Physiological plant studies in South Africa. Part 1. Wilting and osmotic phenomena of grasses and other plants under arid conditions. *Rep. vet. Res. Un. S. Afr.* No. 11-12, pp. 619-668.
- HENRICI, M., 1928. The relation between the amount of carbohydrates in the leaves of Armoedsvlakte grasses and the meteorological factors. *Rep. vet. Res. Un. S. Afr.* No. 13-14, pp. 1041-1074.
- HENRICI, M., 1929. The structure of the cortex of grass roots in the more arid regions of South Africa. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 85, pp. 12.
- HENRICI, M., 1949. The carbohydrate content of lucerne under different meteorological and physiological conditions. *Onderstepoort J. vet. Sci. Anim. Ind.* 22: 273-413.
- HENRICI, M., 1951a. The effect of cutting and grazing on *Pentzia incana* under different systems of veld management. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 292, pp. 31.
- HENRICI, M., 1951b. The seasonal changes of soluble nitrogen, particularly nitrate in *Tribulus terrestris* on limestone formation. *S. Afr. J. Sci.* 47: 212.
- HENRICI, M., 1952. Comparative study of the content of starch and sugars of *Tribulus terrestris*, lucerne, some Gramineae and *Pentzia incana* under different meteorological, edaphic and physiological conditions. *Onderstepoort J. vet. Res.* 25: 45-92.
- HENRIQUES, J.C., 1954. A erosao profunda em sanza-Pombo. *Agronomia Angol.* 9: 121-156.
- HENSEL, R.L., 1923. Recent studies on the effect of burning on grassland vegetation. *Ecology* 4: 183-188.
- HENSER, H., 1966. Draft report on soil analysis results, Kasempa region and Copperbelt region. Rome: FAO.
- HENSLEY, M., 1969. Selected properties affecting the irrigation values of some Makatini soils. M.Sc. thesis, University of Natal.
- HENSLEY, M., 1970. Brak, a threat to our irrigation schemes. *S. Afr. J. Sci.* 66: 180-181.
- HEPBURN, I.P., 1919. Ecological notes on the mountainous portions of the Herschel district. *S. Afr. J. nat. Hist.* 1: 210-223.
- HERMANN, F., 1932. Die wasserwirtschaftlichen Grundlagen der Subtropen mit besonderer icksichtigung Südwestafrikas. *Tropenpflanzer* 35: 180-211 & 225-251.
- HERRE, H., 1939. Vetplante van die Boesmanland wat in kalkgrond groei. *Cactussen Vetpl.* 5: 130-134.
- HEWITT, P.H. & NEL, J.J.C., 1969. Toxicity and repellency of *Chrysocoma tenuifolia* Berg (Compositae) to the harvester termite *Hodotermes mossambicus* Hagen (Hodotermitidae). *J. ent. Soc. sth. Afr.* 32: 133-135.
- HEYDORN, A.E.F., 1972. South African estuaries. Their function and the threat to their existence. *Findiver* 32: 18-19.
- HEYDORN, A.E.F., 1973. South Africa - our environment today. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- HEYDORN, A.F.P.J., 1975. Plant succession on the sea dunes of Betty's Bay. *Veld & Flora* 6: 26-29.
- HIEMSTRA, S.A. & VERWOERD, W.J., 1959. Aerial photography by means of miniature cameras for geological mapping. *Trans. geol. Soc. S. Afr.* 62.
- HILDYARD, P., 1955. Preliminary report on a comparison of three grasses used as leys with special reference to production and soil structure. M.Sc. (Agric.) thesis, University of Natal.
- HILDYARD, P., 1960. Even utilization of sourveld. *Fmg S. Afr.* 36: 33-34.
- HILDYARD, P., 1971. Water and the veld situation in South Africa. *Proc. Grassld Soc. sth. Afr.* 6: 16-19.
- HILL, J.N.S., 1965a. Determination of total available moisture in soils. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.* pp. 184-142.
- HILL, J.N.S., 1965b. Moisture characteristics of some Natal sugarbelt soils. *S. Afr. J. agric. Sci.* 8: 767-774.
- HINDSON, L.L. & WURZEL, P., 1963. Ground water in the Sabi Valley alluvial plain. *Rhod. J. agric. Res.* 1: 99-106.
- HIRST, S.M., 1975. Ungulate-habitat relationships in a South African woodland/Savanna ecosystem. *Wildl. Monogr.* 44: 1-60.
- HITCHCOCK, A.S., 1929. The relation of grasses to man. *S. Afr. J. Sci.* 26: 133-138.
- HITCHINS, P.M., 1968. Records of plants eaten by mammals in the Hluhluwe Game Reserve. *Limmergeyer* 83: 31-39.
- HITCHINS, P.M., 1969. The influence of vegetation types on sizes of home range of black rhinoceroses in Hluhluwe Game Reserve, Zululand. *Limmergeyer* 10: 81-85.
- HOLM, L.G., WELDON, L.W. & BLACKBURN, R.D., 1969. Aquatic weeds. *Science* 166: 699-709.
- HOWARD-WILLIAMS, C., 1970. The ecology of *Becium homblei* in central Africa with special reference to metalliferous soils. *J. Ecol.* 58: 745-763.
- HOWARD-WILLIAMS, C., 1971a. Environmental factors controlling the growth of plants on heavy metal soils. *Kirkia* 8: 91-102.
- HOWARD-WILLIAMS, C., 1971b. An ecological sampling method for swamp and marsh vegetation types. *News Lett. Limnol. Soc. sth. Afr.* 17: 27-30.
- HOWARD-WILLIAMS, C., 1971c. The distribution of nutrients in a shallow African lake. (L. Malawi, Chilwa). *News Lett. Limnol. Soc. sth. Afr.* 17: 30.

- HOWARD-WILLIAMS, C., 1971d. Morphological variation between isolated populations of *Becium homblei* (De Wild.) Duvign. & Plancke growing on heavy metal soils. *Vegetatio* 23: 141-151.
- HOWARD-WILLIAMS, C., 1972. Factors influencing copper tolerance in *Becium homblei*. *Nature*, Lond. 237: 171.
- HOWE, G.M., 1953. Climates of Rhodesia and Nyasaland according to the Thornthwaite classification. *Geogr. Rev.* 43: 525-539.
- HOWELL, F.C. & BOULIERE, F., 1964. African ecology and human evolution. London: Methuen. pp. 666.
- HUDSON, N.W., 1963. Gulley control in mopane soils. *Rhodesia agric. J.* 60: 22-31.
- HUNTER, J.G., 1954. Nickel toxicity in a Southern Rhodesian soil. *S. Afr. J. Sci.* 51: 133-135.
- HUNTLEY, B.J., 1971. Climate. In Dyer, R.A., Winterbottom, J.M. & Van Zinderen Bakker, E.M. (eds), *Marion and Prince Edward Islands*. Cape Town: Balkema.
- HUTCHINS, D.E., 1889. Cycles of drought and good seasons in South Africa. *Wynberg: Times*. pp. 136.
- IRVINE, L.O.F., 1937. The correlation of plant community with soil type. M.Sc. thesis, University of South Africa.
- IRVINE, L.O.F., 1941. The major veld types of the northern Transvaal and their grazing management. D.Sc. thesis, University of Pretoria. pp. 371.
- ISAAC, W.E., 1935. The organic matter content and carbon-nitrogen ratio of South African soils of the winter rainfall area. *Trans. R. Soc. S. Afr.* 23: 205-230.
- ISAAC, W.E. & GERSHILL, B., 1935. The organic matter and carbon-nitrogen ratio of some semi-arid soils of the Cape Province. *Trans. R. Soc. S. Afr.* 23: 245-254.
- JACKS, G.V. & WHYTE, R.O., 1938. Erosion and soil conservation. *Bull. Commonw. Bur. Past. Fld Crops* 25, pp. 206.
- JACKS, G.V. & WHYTE, R.O., 1939. The rape of the earth: a world survey of soil erosion. London: Faber & Faber. pp. 313.
- JACKSON, S.P., 1947. Air masses and the circulation over the plateau and coasts of South Africa. *S. Afr. geogr. J.* 29: 1-15.
- JACKSON, S.P., 1951. Climates of southern Africa. *S. Afr. geogr. J.* 33: 17-37.
- JACKSON, S.P. (ed.), 1961. *Climatological atlas of Africa*. Lagos: CCTA/CSA.
- JACKSON, S.P. & TYSON, P.D., 1971a. Climate and weather. In *Standard encyclopedia of southern Africa* 3: 258-269. Cape Town: Nasou.
- JACKSON, S.P. & TYSON, P.D., 1971b. Aspects of weather and climate over southern Africa. *Occasional Paper* 6, Environmental Studies, University of the Witwatersrand.
- JACOBSEN, W.B.G., 1967. The influence of the copper content of the soil on trees and shrubs of Molly South Hill, Mangula. *Kirkia* 6: 63-84.
- JACOBSON, W.B.G., 1968. The influence of the copper content of the soil on the vegetation at Silverside North, Mangula area. *Kirkia* 6: 259-277.
- JACOBSEN, W.B.G., 1970. Further notes on the vegetation of copper bearing soils at Silverside. *Kirkia* 7: 285-290.
- JACOT GUILLARMOD, A., 1960. The flora of Basutoland. 2. The flora of Dolomite dykes and sills. *Basutoland Notes and Records* 2: 5-10.
- JACOT GUILLARMOD, A., 1969. The effect of land usage on aquatic and semi-aquatic vegetation at high altitudes in southern Africa. *Hydrobiologia* 34: 3-13.
- JACOT GUILLARMOD, A., 1970a. Aquatic weeds in southern Africa. *Probe. Science Students Council Journal*, University of the Witwatersrand, pp. 47-49 & 53.
- JACOT GUILLARMOD, A., 1970b. The Orange River headwaters. *News Lett. Limnol. Soc. sth. Afr.* No. 15, pp. 46-51.
- JACOT GUILLARMOD, C., 1951. A South African leguminous plant attractive to Hymenoptera. *Entomologist's Mag.* 87: 235-236.
- JAEGER, F., 1965. *Geographische Landschaften Sudwestafrikas*. Windhoek: SWA. Wissenschaftlichen Gesellschaft. pp. 251.
- JAMES, W., 1973. Storage of water on the Zululand coastal plains. *Natal Town & Regional Planning Report* 22, pp. 57.
- JARMAN, P.J., 1968. The effect of the creation of Lake Kariba upon the terrestrial ecology of the Middle Zambezi Valley, with particular reference to the large mammals. Ph.D. thesis, University of Manchester.
- JARMAN, P.J., 1971. Diets of large mammals in the woodlands around Lake Kariba, Rhodesia. *Oecologia* 8: 157-178.
- JENNINGS, A.C., 1923. Erosion: especially surface washing in Southern Rhodesia. *S. Afr. J. Sci.* 20: 204-207.
- JENNINGS, C.M.H., 1971. Note on hydrobiological research in Botswana with special emphasis on research in the hydrogeological field. *S. Afr. J. Sci.* 67: 12-21.
- JORDAAN, P.G., 1971. Die remming van saadverspreiding in dorre streke. *J. bot. Soc. S. Afr.* 57: 24-29.
- JOUBERT, E., 1972. A simplified punch-card system for recording biological information in the field. *Madoqua* 1: 69-71.
- JOUBERT, J.G.V., 1968a. Die ekologie van die weiveld van die Robertson-Karoo. D.Sc. thesis, University of Stellenbosch. pp. 162.
- JOUBERT, J.G.V., 1968b. Weiveldbenutting en verbetering met spesiale verwysing na die Klein-Karoo. In Swart, J.C. (ed.), *Die skaap en sy vag*. Cape Town: Nasionale Boekhandel.
- JOUBERT, J.G.V., 1969. Improved grazing on the strandveld. *Fmg S. Afr.* 44, 10: 17, 22 & 34.
- JOUBERT, J.G.V., 1970. Die Robertson Karoo as weiveldstreek. *Proc. Grassld Soc. sth. Afr.* 5: 62-68.
- JUBB, R.A., 1962. The significance of air temperature extremes in some ecological studies. *S. Afr. J. Sci.* 58: 344-345.
- JUBB, R.A., 1973. The J.G. Strydom Dam, Pongola River, northern Zululand. The importance of the floodplain pans below it. *Piscator* 26, 86: 104-109.
- JUNGIUS, H., 1971. Studies on the food and feeding behaviour of the redbuck *Redunca arundinum* Boddart 1785 in the Kruger National Park. *Koedoe* 14: 65-97.
- JURITZ, C.F., 1902. The chemical composition of the soils of the south-eastern districts of the Cape Colony. *Trans. S. Afr. phil. Soc.* 11: 125-160.
- JURITZ, C.F., 1909. Euphorbia latex as an anti-corrosive. *Agric. J. Cape G.H.* 34: 620-622.
- JURITZ, C.F., 1910. A study of the agricultural soils of the Cape Colony. Cape Town: Maskew Miller.
- KANTHACK, F.E., 1907. Sluits: their evil and prevention. *Agric. J. Cape G. H.* 31: 574-589.
- KANTHACK, F.E., 1908. The destruction of mountain vegetation: its effects upon the agricultural conditions in the valleys. *Agric. J. Cape G.H.* 33: 194-204.
- KEEN, C.S., 1968. The development of a nocturnal warm air layer within a shallow valley. *S. Afr. geogr. J.* 50: 135.
- KEEN, C.S., 1971. Rainfall spectra and the delimitation of rainfall regimes in South Africa. M.Sc. thesis, University of the Witwatersrand.
- KEET, J.D.M., 1939. Destruction of native forests in Northern Zululand. *Jl S. Afr. For. Ass. No. 3*, pp. 115-116.
- KEET, J.D.M., 1962. Letter to editor. *S. Afr. For. J. No. 43*, p. 26.
- KEET, J.H., 1966. Some thoughts on the effects of short rotation pine crops on the soil. *S. Afr. For. J. No. 59*, pp. 14-15.
- KELLERMAN, J.H.P., 1965. *Grondvogelstudies op Vaalharts*. M.Sc. (Agric.) thesis, University of Stellenbosch.
- KELLY, R.D., 1973. A comparative study of primary productivity under different kinds of landuse in south-eastern Rhodesia. Ph.D. thesis, University of London.
- KEMP, P.H., 1962. Acidic drainage from coal mines with special reference to the Natal coal fields. CSIR Special Report W12, CSIR, Pretoria, pp. 24.
- KEMP, P.H., 1967. Hydrobiological studies on the Tugela River System, part 6. Acidic drainage from mines of Natal coalfields. *Hydrobiologia* 29: 393-425.
- KENNAN, T.C.D., 1969. The significance of bush in grazing land in Rhodesia. *Rhod. Sci. News* 3: 331-336.
- KEULDER, P.C., 1969. Hydrobiological aspects of the Orange/Caledon System. *News Lett. Limnol. Soc. sth. Afr.* No. 13, pp. 56-65.
- KILLICK, D.J.B., 1963. An account of the plant ecology of the Cathedral Peak Area of the Natal Drakensberg. *Mem. bot. Surv. S. Afr.* No. 34, pp. 178.
- KILLICK, D.J.B. & EDWARDS, D., 1971. Compilation of an ecological bibliography for southern Africa. *Mitt. bot. StSamml., Münch.* 10: 487-488.

- KING, K.A.J., 1973. Determination of the heat capacity of Lake Kariba. *S. Afr. J. Sci.* 69: 119-120.
- KING, L.C., 1941. A miniature desert in Natal. *S. Afr. geogr. J.* 23: 58-61.
- KING, L.C., 1952. Vegetation patterns revealing former Kalahari dune-sands in Southern Rhodesia. *S. Afr. J. Sci.* 48: 374-375.
- KING, L.C., 1974. Aspects of the High Drakensberg: illustrated by air photographs. *S. Afr. geogr. J.* 56: 128-136.
- KING, L.C. & FAIR, F.J.D., 1944. Hillslopes and dongas. *Trans. geol. Soc. S. Afr.* 47: 1-4.
- KIRBY, D.W., AUCAMP, A.J. & INGPEN, R.A., 1972. Studies on various grazing systems for the Dohne sourveld: investigation of the winter utilization of summer spared veld. *Agric. Res., Pretoria*, pp. 170.
- KNOX, A., 1911. The climate of the continent of Africa. London: Cambridge University Press. pp. 552.
- KOKOT, D.F., 1967. Is water the limiting factor in the development of South Africa? *Optima* 17.1: 12-17.
- KRUGER, G.P., 1973. Small scale soil and terrain mapping. In Malan, O.G. (ed.), To assess the value of satellite imagery resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973. CSIR, Pretoria, pp. 19-32.
- KRUGER, J.A., 1971. 'n Ekologiese ondersoek van die plantegroei van die plaas Somerville 53 en omgewing (dist. Ventersdorp), met besondere aandag aan die bodem kundige aspek. M.Sc. thesis, Potchefstroom University for CHE.
- KRUPKO, I. & DAVIDSON, R.L., 1961. An experimental study of *Stoebe vulgaris* in relation to grazing and burning. *Emp. J. exp. Agric.* 29: 175-180.
- KUNTZ, J., 1912. Die Ovat schimba im nordlichen Kaokofeld (Deutsch-Sudwestafrika). *Petersmans Mitt.* 2: 206.
- KYLE, D., 1971. The planning and uses of vertical aerial colour photography in mineral exploration and natural resources survey. *Rhod. Sci. News* 5: 251-252.
- LAMPRECHT, M.P., 1957. Drought resistant fodder crops. In Handbook for farmers in South Africa. 3: 693-700. Pretoria: Department of Agriculture.
- LANGDALE-BROWN, I. & SPOONER, R.J., 1963. The land use prospects of northern Bechuanaland. Forestry and Land Use Section, Directorate of Overseas Surveys, Tolworth.
- LAPERRE, P.E., 1971. Zambesi delta soils for the production of sugarcane: their classification, morphology, chemical and physical properties. *Agronomia Mocambicana* 5.4: 237-260.
- LAPIDO-LOUREIRO, F.E. DE V., 1967. Nota Previa sobre as estruturas Carbonatiticas de Angola. *Bol. Inst. Invest. Cient. Angola* 4.2: 45-65.
- LAUGHTON, F.S., 1937. The effects of soil and climate on the growth and vigour of *Pinus radiata* D. Don in South Africa. *S. Afr. J. agric. Sci.* 33: 589-604.
- LAUNERT, E., 1957. Neue Arten und Erstfunde aus Sudwestafrika. *Mitt. bot. StSamml., Münch.* 16: 306-315.
- LAWRENCE, R.F., 1938. The relation of mites to animals and plants in South Africa. *S. Afr. J. Sci.* 35: 332-338.
- LE CLUS, C.F., NEL, J.J.C. & OPPERMAN, D.P.J., 1972. How much to spend when combatting termites. *Fmg S. Afr.* 47.11: 30-33.
- LE ROUX, C.J.G., 1972. Effect of the browsing animal on thornscrub in Natal: effect of goats on *Acacia tortilis*. *Agric. Res., Pretoria*, pp. 147-149.
- LE ROUX, H.H., 1966. Veldbestuur in die wateropvang gebiede van die winterreenstreek van Suidwes-Kaapland. *For. S. Afr.* No. 6, pp. 1-32.
- LE ROUX, J. & DE VILLIERS, J.M., 1965. The contribution of hydronium and aluminium ions to acidity in some Natal soils. *S. Afr. J. agric. Sci.* 8: 1079-1090.
- LE ROUX, J. & DE VILLIERS, J.M., 1966. Cation exchange capacity and degree of saturation with metal of highly weathered soils. *S. Afr. J. agric. Sci.* 9: 31-42.
- LE ROUX, J. & SCOTNEY, D.M., 1970. A key to the soils of Natal. Pretoria: Department of Agricultural Technical Services. pp. 96.
- LE ROUX, J. & SUMNER, M.E., 1968. Labile potassium in soils. 1. Factors affecting the quantity-intensity (Q/I) parameters. *Soil Sci.* 106.1: 35-41.
- LECATSAS, G., 1962. Solar radiation as a factor in the establishment of *Stoebe vulgaris*. *S. Afr. J. Sci.* 58: 304-306.
- LEIGH, J.H., 1960. Temperature, moisture and daylength effects in lovegrass (*Eragrostis curvula*). *S. Afr. J. Sci.* 56: 268-269.
- LEIGH, J.H., 1961. Low-temperature injury in lovegrass, *Eragrostis curvula* (Schrad) Nees. *Nature, Lond.* 189: 415-416.
- LEISTNER, O.A., 1961. On the dispersal of *Acacia giraffae* by game. *Koedoe* 4: 101-104.
- LEISTNER, O.A., 1964. The Kalahari: desert of the future? *Fmg S. Afr.* 39: 45-48.
- LEMPP, F., 1956. Eine Erkundung der Brandberge in Sudwestafrika. *Kosmos* 29: 424-448.
- LEPPAN, H.D., 1928. The agricultural development of arid and semi-arid regions with special reference to South Africa. Johannesburg: Central New Agency. pp. 280.
- LESER, H., 1969. Perspektiven geographische Forschungsarbeiten in Sudwestafrika. *Jl S.W. Africa. scient. Soc.* 23: 7-23.
- LEUSNER, H., 1936. Der abnorme Regenfall in Sudwestafrika 1933/34. *Geogr. Z.* 42: 423-427.
- LEVINKIND, L., 1941. Droughts in South Africa. *Fmg S. Afr.* 16: 180.
- LEVYNS, M.R., 1972. The natural vegetation of the University grounds forty years ago and records of the soil temperatures. *Contr. Bolus Herb.* 5: 79-104.
- LEWIS, A.D., 1936. Sand dunes of the Kalahari within the borders of the Union. *S. Afr. geogr. J.* 19: 22-32.
- LIEBENBERG, C.B.D., 1945. Veld management and soil utilization in the south-eastern Cape Province. *Fmg S. Afr.* 20: 617-628 & 638.
- LISTER, L., 1965. The physical geography of Rhodesia. In Collins, M.O. (ed.), Rhodesia, its natural resources and economic development. Salisbury: Collins.
- LIVERSIDGE, R., 1962. Distribution of birds in relation to vegetation. *Ann. Cape Prov. Mus.* 2: 143-151.
- LIVERSIDGE, R., 1970. Identification of grazed grasses using epidermal characters. *Proc. Grassld Soc. sth. Afr.* 5: 153-165.
- LIVERSIDGE, R., 1972. Grasses grazed by springbok and sheep. *Proc. Grassld Soc. sth. Afr.* 7: 32-38.
- LIVINGSTON, B.E., 1906. The relation of desert plants to soil moisture and to evaporation. Washington: Carnegie Institution publication No. 50, pp. 78.
- LOGAN, R.F., 1960. The central Namib desert, South West Africa. Washington: National Academy of Sciences, National Research Council Publication No. 758, pp. 162.
- LOGAN, R.F., 1969a. Geography of the Central Namib Desert. In McGinnies, W.G. & Goldman, B.J. (eds), Arid lands in perspective, pp. 127-143. Arizona: University of Arizona Press.
- LOGAN, R.F., 1969b. Bibliography of SWA geography and related fields. Windhoek: SWA Scientific Society.
- LOOCK, E.E.M., 1951. A key to the trees and woody shrubs of the forests of the Knysna region. *Jl S. Afr. For. Ass.* No. 20, pp. 81-105.
- LOOS, M.A. & LOUW, H.A., 1964. A study of the clover root nodule bacteria in soils of the George district. 2. Symbiotic characteristics. *S. Afr. J. Agric. Sci.* 7: 447-456.
- LOUW, A.J., 1971. Influence of grazing of cattle, sheep and goats in the northern Transvaal: effect on mopani veld. *Agric. Res., Pretoria*, pp. 114.
- LOUW, A.J. & VAN DER MERWE, J.J., 1973. Invloed van ontbossing van gemengde veld op rooi kleigrond van die Springbokvlakte op veldsaamstelling en diereproduksie. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 110.
- LOUW, H.A., 1957. Microbiological analysis of a western Cape Province grain soil under various crop rotations. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 378, pp. 36.
- LOUW, P.A., 1964. Bodemkundige aspekte van die Kalahari-Gemsbokpark. *Koedoe* 7: 156-172.
- LOXTON, R.F., 1961. A modified chart for the determination of basic soil textural classes in terms of the international classification for soil separates. *S. Afr. J. agric. Sci.* 4: 507-512.
- LOXTON, R.F., 1962a. Soil survey of Kroonstad. *Tech.*

- Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria, No. 15, pp. 63.
- LOXTON, R.F., 1962b. The soils of the Republic of South Africa: a preliminary reclassification. *S. Afr. J. Sci.* 58: 45-53.
- LOXTON, R.F., 1968. A case for pedological survey in the timber industry. *S. Afr. For. J.* 65: 33-35.
- LOXTON, R.F., 1970. Soil classification project north-western Orange Free State: classification and description of soil series. Johannesburg: Loxton & Hunting.
- LOXTON, R.F., 1971. Soil and water. *S. Afr. J. Sci.* 67: 137-139.
- LUDORF, R. & CHANNON, P., 1965. Cation studies on a typical soil of the Natal midlands. *Proc. 39th Congr. S. Afr. Sug. Technol. Ass.*, pp. 203-208.
- LUDORF, R. & SCOTNEY, D.M., 1975. Soils of Lions River and Mooi River Valley soil conservation districts. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 94*, pp. 101.
- LUTJEHARMS, W.J., 1946. *Oecologia subterranea: die grond as omgewing*. *S. Afr. J. Sci.* 42: 43-61.
- MAACK, R., 1923. Der Brandberg: ein beitrage zur landeskundung von Sudwestafrika. *Z. Ges. Erdk. Berl.*, pp. 1-14.
- MAACK, R., 1960. Erstbesteigung des Brandberges und entdeckung der "Wei Ben Dame". *Jl S.W. Africa scient. Soc.* 14: 5-38.
- MACVICAR, C.N., 1962. Soil studies in the Tugela Basin. Ph.D. thesis, University of Natal.
- MACVICAR, C.N., 1965a. The climate factor in soil genesis illustrated by climosequences in the Natal midlands. *S. Afr. J. agric. Sci.* 8: 681-689.
- MACVICAR, C.N., 1965b. The constitution and genesis of four soil series from dolerite in the Natal midlands. *S. Afr. J. agric. Sci.* 8: 979-990.
- MACVICAR, C.N., 1970. A note on the ecology of soils. *S. Afr. J. Sci.* 66: 187-191.
- MACVICAR, C.N. & LOXTON, R.F., 1967. Soils of the Langkloof. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 59*, pp. 36.
- MACVICAR, C.N., LOXTON, R.F. & VAN DER EYK, J.J., 1965. South African soils series-a provisional classification. *Soils Research Institute Report 108/64*, Department of Agricultural Technical Services, Pretoria.
- MACVICAR, C.N. & PERFECT, G.A., 1971. The soils of the eastern Transvaal sugar industry. *Proc. 45th Ann. Cong. of the S. Afr. Sug. Technol. Ass.*, pp. 189-195.
- MALAN, W.L., 1960. Survey of the Vaal Dam catchment area, Part 1: The chemical composition of the main tributaries. *CSIR Res. Rep.* 166, pp. 31.
- MALAN, W.M., 1962. The pollution of ground-water. *CSIR Special Report W 15*, Pretoria, pp. 41.
- MALHERBE, H.L., 1968a. Afforestation and water supplies in South Africa. Pretoria: Department of Forestry.
- MALHERBE, H.L., 1968b. *Bosboupotensiaal in opvanggebiede*. *S. Afr. For. J.* 66: 12-17.
- MARAIS, P.G. & FOURIE, S., 1959. Radiation effects on the growth and phosphorus uptake of plants grown in soil treated with  $P^{32}$ . *S. Afr. J. agric. Sci.* 2: 3-18.
- MARCHAND, B. DE C., 1923. Representative Transvaal soils. Highveld sandy soils. *J. Dep. Agric. Un. S. Afr. No. 7*, pp. 82.
- MARCHAND, B. DE C., 1924. The origin of black turf soils in the Transvaal. *S. Afr. J. Sci.* 21: 162.
- MARCHAND, B. DE C., 1925. Soil formation and classification. *S. Afr. J. Sci.* 22: 42.
- MARLOTH, R., 1890. Some adaptations of South African plants to the climate. *Trans. S. Afr. phil. Soc.* 6: 31-38.
- MARLOTH, R., 1902. Notes on the occurrence of alpine types in the vegetation of the higher peaks of the south-western region of the Cape. *Trans. S. Afr. phil. Soc.* 11: 161-168.
- MARLOTH, R., 1904. Results of experiments on Table Mountain for ascertaining the amount of moisture deposited from the south-east clouds. *Trans. S. Afr. phil. Soc.* 14: 403-408.
- MARLOTH, R., 1907a. On some aspects in the vegetation of South Africa which are due to the prevailing winds. *Rep. S. Afr. Ass. Advmt Sci.* 3: 215-218.
- MARLOTH, R., 1907b. Results of further experiments on Table Mountain for ascertaining the amount of moisture deposited from the south-east clouds. *Trans. S. Afr. phil. Soc.* 16: 97-105.
- MARLOTH, R., 1908. Some observations on the entomophilous flowers. *Rep. S. Afr. Ass. Advmt Sci.* 5: 110-113.
- MARLOTH, R., 1915a. The effects of droughts and of some other causes on the distribution of plants in the Cape region. *S. Afr. J. Sci.* 12: 383-390.
- MARLOTH, R., 1915b. The flora of South Africa. Vol. 4. *Monocotyledones*. Cape Town: Darter. pp. 208.
- MARLOTH, R., 1915c. Note on the entomophilous nature of *Encephalartos*. *Trans. R. Soc. S. Afr.* 4: 69-71.
- MARSHALL, B.E. & FALCONER, A.C., 1973. Physico-chemical aspects of Lake Mlilwane (Rhodesia). A eutrophic tropical impoundment. *Hydrobiologia* 42: 45-62.
- MARTIN, H., 1961. Hydrology and water balance of some regions covered by Kalahari sands in South West Africa. *CSA/CCTA Publs No. 66*, pp. 450-455.
- MATHESON, M., 1938. A comparison of various field ecological light measuring instruments and a further contribution to our knowledge of the Eder Hecht Photometer and the Livingston Radio Atomometer. *S. Afr. J. Sci.* 35: 263-273.
- MATHESON, M., 1939. An ecological study of light and temperature relations in typical "purple" veld of the Highveld: a critique of methods. *S. Afr. J. Sci.* 36: 257-264.
- MATTHEWS, P.E., 1969. Diversion of water to the upper region of the Tugela Basin. Report 16. Natal Town & Regional Planning Commission, Pietermaritzburg.
- MAUD, R.R., 1965. Laterite and lateritic soil in coastal Natal, South Africa. *J. Soil Sci.* 16,1: 60-72.
- MAUD, R.R., 1968. Quaternary geomorphology and soil formation in coastal Natal. *Ann. Geomorphol.* 7: 155-199.
- MAUFE, H.B., 1914. Rhodesian soils and their origin. *Proc. Trans. Rhod. scient. Ass.* 14: 15.
- MAUFE, H.B., 1928. On the formation of red soil and of black vlei soil from dolerite at Salisbury, Southern Rhodesia. *S. Afr. J. Sci.* 25: 156-167.
- MAUFE, H.B., 1933. Chemical analyses of natural springs in Rhodesia. *Rhod. Geol. Surv. Bull.* 23.
- MAZOR, E., VERHAGEN, B.TH., SELLSCHOP, J.P.F., JONES, M.J., ROBINS, N.E., HUTTON, L. & JENNINGS, C.M.H., n.d. Northern Kalahari groundwaters: hydrological, isotopic and chemical studies at Orapa, Botswana. *J. Hydrol.* 34,3-4: 203-234.
- MCALLISTER, H.J., 1967. A quantitative faecal analytical investigation of the grazing preferences of impala (*Aepyceros m. melampus* Licht). M.Sc. thesis, University of Natal. pp. 70.
- MCALLISTER, H.J. & BORNMAN, C.H., 1972. Grazing preferences of impala: quantitative faecal analytical and anatomical evaluation. *Trans. R. Soc. S. Afr.* 40: 167-185.
- MCGEE, O.S., 1970. Wind and humidity conditions over Durban during 1967. *S. Afr. geogr. J.* 52: 44-57.
- MCGINNIES, W.G., GOLDMAN, B.J. & PAYLOR, P., 1968. *Deserts of the world. An appraisal of research into their physical and biological environments*. Tucson: University of Arizona Press. pp. 788.
- MCGUIRE, L.P., 1922. The measurement of light intensities in South Africa with special reference to plant habitats. M.Sc. thesis, University of South Africa.
- MCKAY, A.D., 1965a. The conditions of the catchment area of rivers and streams feeding Lake St Lucia, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MCKAY, A.D., 1965b. The factors influencing the movement of silt in the catchment area of the rivers and streams feeding Lake St Lucia, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MCLACHLAN, A.J., MORGAN, P.R., HOWARD-WILLIAMS, C., MCLACHLAN, S.M. & BOURN, D., 1972. Aspects of the recovery of a saline African lake following a dry period. *Arch. Hydrobiol.* 70: 325-340.
- MEEUSE, A.D.J., 1958. A possible case of interdependence between a mammal and a high plant. *Archs neerl. Zool.* 13: 314-318.
- MEIKLEJOHN, J., 1965. Microbiological studies on large termite mounds. *Rhod. Zambia & Malawi J. Agric. Res.* 3,2: 67-79.
- MEIKLEJOHN, J., 1968a. Nitrogen-fixers-Pseudomonads and other aerobic bacteria from Rhodesian soils. *J. gen. Microbiol.* 50: 487-496.

- MEIKLEJOHN, J., 1968b. Numbers of nitrifying bacteria in some Rhodesian soils under natural grass and improved pastures. *J. appl. Ecol.* 5: 291-300.
- MES, M.G., 1952. The influence of some climatic factors on the growth and seed production of grasses. In *Veld gold: a South African book of grassland farming*, pp. 35-51. Johannesburg: National Veld Trust.
- METELERKAMP, H.R.R. & THOMPSON, J.G., 1967. Soil studies and irrigation. *Rhodesia agric. J.* 64,4: 79.
- MEYBURGH, J.C. & WICHT, C.L., 1966. The inclination and bearing of rainfall estimated with vectopluiometers at Jonkershoek. *For. S. Afr.* 7: 71-90.
- MIDDLEMISS, F., 1963. The distribution of *Acacia cyclops* in the Cape Peninsula area by birds and other animals. *S. Afr. J. Sci.* 59: 419-420.
- MIDGLEY, D.C., 1971. Appraisal and management of water resources in South Africa. *S. Afr. J. Sci.* 67: 210-217.
- MIDGLEY, D.C. & PITMAN, W.V., 1969. Surface water resources of South Africa. Hydrobiological Research Unit Report 2/69, University of the Witwatersrand, Johannesburg.
- MILLER, P.M., 1966. An objective survey of plant communities in four catchments in the Highland Sourveld. M.Sc. (Agric.) thesis, University of Natal.
- MILSTEIN, P. LE S., 1974. The biology of Barberspan, with special reference to the avifauna. *Ostrich suppl.* 10, pp. 74.
- MITCHELL, D.S., 1973. Aquatic weeds in man-made lakes. In Ackermann, W.C., White, G.F. & Worthington, E.B. (eds), *Man-made lakes: their problems and environmental effects*, pp. 606-611. Washington: Amer. Geophys. Union.
- MITCHELL, D.S., 1974a. Environmental management in relation to aquatic weed problem. In Mitchell, D.S. (ed.), *Aquatic vegetation and its use and control*, pp.57-71. Paris: UNESCO.
- MITCHELL, D.S. (ed.), 1974b. *Aquatic vegetation and its use and control*. Paris: UNESCO.
- MITCHELL, D.S. & MARSHALL, B.E., 1974. Hydrobiological observations on three Rhodesian reservoirs. *Freshwat. Biol.* 4: 61-72.
- MOGG, A.O.D., 1929a. The flora of the Vryburg district in relation to the geology. 15th Int. Geol. Congr. 2: 638-650.
- MOGG, A.O.D., 1929b. A preliminary account of the flora of Pretoria in relation to the geology. 15th Int. Geol. Congr. 2: 651-669.
- MOGG, A.O.D., 1963. A preliminary investigation of the significance of salinity in the zonation of species in salt-marsh and mangrove swamp associations. *S. Afr. J. Sci.* 59: 81-86.
- MOND, T., 1971. Remarques sur les symmetries Floristiques des zones seches nord et sud en Afrique. *Mitt. Bot. StSamml. Münch.* 10: 375-423.
- MONTEIRO, R., 1891. Delagoa Bay: its natives and natural history. London: pp. 274.
- MORRIS, J.W., 1973. Land use and vegetational patterns in the south-western Transvaal. In Malan, O.G. (ed.), *To assess the value of satellite imagery in resource evaluation on a national scale*, CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973 Pretoria, pp. 9-10.
- MORRIS, J.W. & MULLER, P.J., 1970. Seasonal variation of grassland basal cover. *Proc. Grassld Soc. sth. Afr.* 5: 145-152.
- MORRIS, R.O., 1973. A survey of South Africa's natural waters. *Wat. Pollut. Control* 72: 139-143.
- MOSES, D. & DEENIK, Z., 1933. The botanical survey of intensively grazed veld. *S. Afr. J. Sci.* 30: 317-323.
- MOSTERT, J.W.C., 1945. Fisiologies-ekologiese studies in verband met vier Wes-Transvaalse grassoorte. M.Sc. thesis, Potchefstroom University for CHE.
- MOSTERT, J.W.C., VORSTER, L.F. & DONALDSON, C.H., 1964. Produktiebepalings en die beheer van rooigrasveld met Afrikanerbeeste. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No.* 32, pp. 11.
- MUIR, J., 1932. The beach drift of South Africa. *J. bot. Soc. S. Afr.* 18: 5-9.
- MUIR, J., 1937. The seed drift of South Africa and some influences of ocean currents on the strand vegetation. *Mem. bot. Surv. S. Afr. No.* 16, pp. 108.
- MULDER, G.J., 1972. The soil as basis for agricultural development in the Upper Orange catchment area: the soils of a portion of the Klein Caledon catchment area. *Agric. Res., Pretoria*, pp. 13-15.
- MULLER, P.J., 1963. A stove-point apparatus for vegetation survey and measurement on steep and rockstrewn hillslopes. *S. Afr. J. agric. Sci.* 6: 339-343.
- MULLER, P.J., WERGER, M.J.A., COETZEE, B.J., EDWARDS, D. & JARMAN, N.G., 1972. An apparatus for facilitating the manual tabulation of phytosociological data. *Bothalia* 10: 579-581.
- MUNRO, H.K., 1963. Trypetidae (Diptera) associated with the plant *Monechma* (Acanthaceae) in the Kalahari Gemsbok National Park. *Koedoe* 6: 51-65.
- MURDOCH, G., 1965. Practical value of a soil series classification to agricultural research. *Proc. 39th Ann Cong. S. Afr. Sug. Technol. Ass.* 39, pp. 242.
- MURRAY, J.M., 1939. An investigation of the interrelationships of the vegetation, soils and termites. *S. Afr. J. Sci.* 35: 288-297.
- MURRAY, J.M., 1940. Observations on the more important veld grasses of the Pretoria district. Their seasonal variations and the changes brought about by several systems of grazing management. M.Sc. thesis, University of the Witwatersrand.
- MYBURGH, R.I.D. M.C.C., 1971. The water projects of the Namib Desert. *S. Afr. J. Sci.* 67: 152-158.
- NAGEL, J.F., 1955. Fog precipitation on Table Mountain. *Q. J. R. met. Soc.* 82,354: 452-460.
- NAGEL, J.F., 1959. Fog precipitation at Swakopmund. *News. Weath. Bur., Pretoria* 125: 1-9.
- NAGEL, J.F., 1962. Fog precipitation measurements on African south-west coast. *Notos* 11: 51-60.
- NÄNNI, U.W., 1956. Forest hydrological research at the Cathedral Peak research station. *J. S. Afr. For. Ass. No.* 27, pp. 2-35.
- NÄNNI, U.W., 1959. Base-flow in Cathedral Peak streams. *J. S. Afr. For. Ass. No.* 33, pp. 7-48.
- NÄNNI, U.W., 1960. The immediate effects of veldburning on stream flow in Cathedral Peak catchments. *J. S. Afr. For. Ass. No.* 34, pp. 7-12.
- NÄNNI, U.W., 1963. Forest hydrology in the Drakensberg. *J. S. Afr. biol. Soc.* 4: 33-35.
- NÄNNI, U.W., 1968. The effect of forestry practice on runoff. *S. Afr. For. J. No.* 66, pp. 18-22.
- NÄNNI, U.W., 1969. Afforestation and water supplies: Maputoland. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NÄNNI, U.W., 1970. Trees, water and perspective. *S. Afr. For. J. No.* 75, pp. 9-17.
- NÄNNI, U.W., 1971. The Mokobulaan research catchments. *S. Afr. For. J. No.* 78, pp. 5-13.
- NÄNNI, U.W., 1972. Water use by riparian vegetation at Cathedral Peak. *S. Afr. For. J. No.* 80, pp. 1-10.
- NASH, L.J., BORNMAN, C.H. & HEEG, J., 1972. Physioecology of the Umsinduzi River within the Pietermaritzburg city limits. *Trans. R. Soc. S. Afr.* 40: 197-208.
- NASH, R.P., 1975. The need for fresh water in St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NAUDE, T.J., 1934. Termites in relation to veld destruction and erosion. *Bull. Dep. Agric. Un. S. Afr. No.* 134, pp. 20.
- NEETHLING, J.H., 1970. Classification of some forest soils of the southern Cape. M.Sc. thesis, University of Stellenbosch.
- NEL, J.J.C., 1967. Harvester termites ruin our veld. *Fmg S. Afr.* 43: 42-47.
- NEL, J.J.C. & HEWITT, P.H., 1969. A study of the food eaten by a field population of the harvester termite, *Hodotermes mossambicus* Hagen and its relation to population density. *J. ent. Soc. sth. Afr.* 32: 123-131.
- NEL, L.T. & FROMMURZEE, H.F., 1949. The occurrence, location and exploitation of underground water in South Africa. In *Statements and communications of the African Regional Scientific Conference*, 17-28 Oct. 1949, Johannesburg, pp. 55-60.
- NEVILL, E., 1908. The rainfall in Natal. *Agric. J. Natal* 11: 1531-1533.
- NOBLE, R.G., 1972. Hydrobiological studies of the Orange River System in relation to Hendrik Verwoerd Dam. *Civ. Engr S. Afr.* 14,2: 79-80.

- NOEL, A.R.A., 1961. A preliminary account of the effect of grazing upon species of *Helichrysum* in the Amatola Mountains. *Jl S. Afr. Bot.* 27: 81-86.
- NOEL, A.R.A., 1968. The effects of girdling with special reference to trees in South Central Africa. *Kirkia* 6: 181-196.
- NORTHERN RHODESIA, VEGETATION, 1947. Vegetation - soil map of Northern Rhodesia, 1:1 000 000. Pretoria: Government Printer.
- NUTTONSON, M.Y., 1961. The physical environment and agriculture of the Union of South Africa with special reference to its winter rainfall regions containing areas climatically and altitudinally analogous to Israel. Washington: American Institute of Crop Ecology. pp. 459.
- OBERHOLSTER, R.E., 1968. Opal phytoliths in two soil profiles on the Springbok Flats. *S. Afr. J. Agr. Sci.* 11: 743-748.
- OLIFF, W.D., 1960a. Hydrobiological studies on the Tugela River system. Part 2. Organic pollution in the Bushman's River. *Hydrobiologia* 14: 137-196.
- OLIFF, W.D., 1960b. Hydrobiological studies on the Tugela River system. Part 1. The Main Tugela River. *Hydrobiologia* 14: 281-385.
- OLIFF, W.D., 1963. Hydrobiological studies on the Tugela River system. Part 3. The Buffalo River. *Hydrobiologia* 21: 355-379.
- OLIFF, W.D. (ed.), 1969. The disposal of effluents into the sea off the Natal Coast. Report 14. Natal Town and Regional Planning Commission, Pietermaritzburg. pp. 140.
- OLIFF, W.D., KEMP, P.H. & KING, J.L., 1965. Hydrobiological studies on the Tugela River system. Part 5. The Sundays River. *Hydrobiologia* 26: 189-202.
- OLIFF, W.D. & KING, J.L., 1964. Hydrobiological studies on the Tugela River system. Part 4. The Mooi River. *Hydrobiologia* 24: 567-583.
- OPPERMAN, D.P.J. & ROBERTS, B.R., 1975. Evapo-transpiration studies on *Themeda triandra* under field conditions: a study in lysimeter methodology. *Proc. Grassld Soc. sth. Afr.* 10: 103-109.
- ORCHARD, E.R., 1966. Pedological patterns of soil fertility. *Proc. S. Afr. Sug. Technol. Ass.* 39: 247-249.
- ORCHARD, E.R., 1969. Soils of the Tugela Basin. Report 15 Natal Town and Regional Planning Commission Pietermaritzburg.
- OSBORN, J.B., 1931. Some physical properties of the wattle soils of Natal. *S. Afr. J. Sci.* 28: 207-221.
- PASCHINGER, H., 1968. Morphologische studien in westlichen Sudafrika. Veroff. Univ. Innsbruck 1, Alpenkundl Studien 1: 1-24.
- PASSARGE, S., 1904. Die Kalahari. Berlin: Dietrich Reimer.
- PAULI, F.W., 1958. Some recent developments in humus research. *Jl S. Afr. For. Ass.* 32: 8-25.
- PEALING, H., 1918. On the effect of vegetation on the rainfall of South Africa. *S. Afr. J. Sci.* 15: 142-145.
- PENTZ, J.A., 1940. Soil erosion survey of the reclamation area in Natal. *Sci. Bull. Dep. Agric. Un. S. Afr.* No. 212, pp.18.
- PENTZ, J.A., 1955. Grasses in soil and water conservation. In Meredith, D. (ed.), The grasses and pastures of South Africa 2: 712-723. Johannesburg: Central News Agency.
- PENZHORN, B.L., ROBERTSE, P.J. & OLIVIER, M.C., 1974. The influence of the African elephant on the vegetation of the Addo Elephant National Park. *Koedoe* 17: 137-158.
- PENZHORN, K.E.W., 1972. Soil conservation: where do we stand? *S. Afr. J. Sci.* 68: 117-181.
- PHELINES, R.F., COKE, M. & NICOL, S.M., 1973. Some biological consequences of the damming of the Pongola River. *Int. Cong. Large Dams*, Madrid.
- PHILLIPS, J.F.V., 1923. Disease in young natural regeneration of *Olea laurifolia* Lam. *S. Afr. J. nat. Hist.* 4: 209-220.
- PHILLIPS, J.F.V., 1926. Rainfall interception by plants. *Nature*, Lond. 118: 837-838.
- PHILLIPS, J.F.V., 1927. The role of the 'Bush-dove' (*Columba aquatrix* T. & K.) in fruit dispersal in the Knysna forest. *S. Afr. J. Sci.* 24: 435-440.
- PHILLIPS, J.F.V., 1928a. Influence of forest formation upon soil moisture. *Nature*, Lond. 122: 53.
- PHILLIPS, J.F.V., 1928b. Rainfall interception by plants. *Nature*, Lond. 121: 3545.
- PHILLIPS, J.F.V., 1931. The biotic community. *J. Ecol.* 19: 1-24.
- PHILLIPS, J.F.V., 1949. Some soil and conservation problems of Africa-wide significance. In Statements and communications of the African Regional Scientific Conference, 17-28 Oct. 1949, Johannesburg. pp. 94-98.
- PHILLIPS, J.F.V., 1957. Aspects of the ecology and productivity of some of the more arid regions of southern and eastern Africa. *Vegetatio* 7: 38-68.
- PIENAAR, L.V., 1964. Reenvalonderskepping deur 'n jong opstand van *Pinus radiata* D. Don. *For. S. Afr.* 5: 23-37.
- PIENAAR, U. DE V., 1968. The ecological significance of roads in a national park. *Koedoe* 11: 169-174.
- PITMAN, W.V. & HUTCHISON, I.P.G., 1975. A preliminary hydrobiological study of Lake Sibaya. Hydrobiological Research Unit Report 4/75, University of the Witwatersrand, Johannesburg. pp. 35.
- PLATHE, D.J.R. & VAN DER ZEL, D.W., 1969. 'n Veldbrand-eksperiment op meervoudige opvanggebiede in Jakkalsrivier, Lebanon. *For. S. Afr.* 10: 63-71.
- PLATT, E.E., 1921. Food plants of South African butterflies and moths. *S. Afr. J. bot. Hist.* 3, 1: 65-138.
- PLUMMER, F.E. & HAYLETT, D.G., 1938. Climate in relation to the deterioration and conservation of natural resources in the Union. *S. Afr. J. Sci.* 35: 2-18.
- PLUMMER, F.E. & LEPPAN, H.D., 1927. Rainfall and farming in the Transvaal. *Bull. Fac. Agric. Transv. Univ. Coll. No.* 12.
- PORTER, R.N., 1975. The production, utilization and effects of grazing on some of the pastures in the Umfolozi Game Reserve, Zululand. M.Sc. thesis, University of the Witwatersrand.
- POTGIETER, J.T. & DURR, H.J.R., 1960. A host plant index of South African plant lice (Aphididae). *Annale Univ. Stellenbosch Serie A* 36,5: 219-238.
- POYNTON, R.J., 1966. The drought resistance of commercial timber species in the Transvaal. *For. S. Afr.* No. 6, pp. 87-106.
- PRENTICE, A.A., 1965. Potential evaporation in Rhodesia. *Rhod. met. Serv., Agric. Met. Note* 13.
- PRETORIUS, L.M. & VAN ARK, H., 1972. Influence of control of *Hodotermes mossambicus* on the plant cover in the northern Transvaal bushveld area. *Phytophylactica* 4,2: 45-49.
- PROTTER, J., 1949. Some physical properties of soils as related to vegetative cover. M.Sc. thesis, University of the Witwatersrand.
- RANDALL, D., 1957. Factors of economic development and the Okavango delta. Department of Geography Research Paper 47, University of Chicago, Illinois.
- RANGE, P., 1927. Die Kustenvwuste zwischen Luderitzbucht und Swakopmund in Sudwest-Afrika. *Petermanns Mitt.* 78: 344-353.
- RANGE, P., 1930. Humusboden in Sudwestafrika. *Z. dt. geol. Ges.* 82: 604-610.
- REES, W.A., 1974. Preliminary study into bush utilization by cattle in Zambia. *J. appl. Ecol.* 11: 207-214.
- REEVE, N.G. & SUMNER, M.E., 1971. Cation exchange capacity and exchange-able aluminium in Natal oxisols. *Proc. Soil Sci. Soc. Am.* 35: 38-42.
- REFEGA, A.A.G., 1968. Os solos do Huambo. Breves notas. Nova Lisboa, Universidade de Luanda. pp. 50.
- RETHMAN, N.F.G., BEUKES, B.H. & MALHERBE, C.E., 1971. Influence on a north-eastern sandy highveld sward of winter utilization of sheep. *Proc. Grassld Soc. sth. Afr.* 6: 55-62.
- RHODES, R.C., 1968. Some aspects of the post-depositional history of the red sands in coastal Natal. *S. Afr. J. Sci.* 64: 145-149.
- RICHARDS, P.W., 1947. The introduction of *Fontinalis antipyretica* into South Africa and its biological effects. *Trans. Br. bryol. Soc.* 1: 16.
- ROBBINS, C.R., 1934. Northern Rhodesia; an experiment in the classification of land with the use of aerial photographs. *J. Ecol.* 22: 88-105.
- ROBERTS, B.R., 1963. A contribution to the ecology of Cathcart and environs with special reference to slope exposure and soil pH. *Jl S. Afr. Bot.* 29: 153-162.
- ROBERTS, B.R., 1965. Applied ecology in land-use planning of catchment areas. *S. Afr. J. Sci.* 61: 111-117.

- ROBERTS, B.R., 1967. Non-selective grazing. An evaluation. *Farmer's Weekly*, Bloemfontein, 19 July, pp.240-249; 26 July, pp. 34-39 & 2 Aug., pp. 34-37.
- ROBERTS, B.R., 1975. Microclimatic differences in habitat on a high mountain in the Orange Free State. *Proc. Grassld Soc. sth. Afr.* 10: 49-55.
- ROBERTS, B.R. & FOURIE, J.H., 1975. Common grasses of the Northern Cape. Bloemfontein: Sendingspers.
- ROBERTS, V.E., 1969. Soil survey of Bethlehem. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria No. 58*, pp. 55.
- ROBERTSON, T.C., 1961. Waar die groen valleie tussen berge doodloop. *Veldtrust* 22.4: 17-18.
- ROBERTSON, T.C., 1967. New soil map of Rhodesia. *Veldtrust* 28.2: 8-9.
- ROBERTSON, T.C., 1968. Soil is life. Cape Town: Cape & Transvaal Printers.
- ROBINSON, D.A., 1953. Land use planning in Native reserves in Southern Rhodesia. *Rhodesia agric. J.* 50: 327-333.
- ROBINSON, E.R. & SEELY, M.K., 1975. Some food plants of ostriches in the Namib Desert Park, South West Africa. *Madoqua ser.* 24: 99-100.
- ROBINSON, G., 1966. Some residual hill-slopes in the Great Fish River Basin, South Africa. *Geogr. J.* 132: 387-390.
- ROGERS, D.J. & MCALLISTER, H.J., 1969. Preferential grazing by game on a fungus "fairy ring". *J. Wildl. Mgmt* 33: 1034-1036.
- ROGERS, W.E. & NELSON, R.R., 1962. Penetration and nutrition of *Striga asiatica*. *Phytopathology* 52: 1064-1070.
- ROOS, J.H., RETHMAN, N.F.G. & KOTZE, G.D., 1973. Preliminary results on species selection by animals on sour grassveld. *Proc. Grassld Soc. sth. Afr.* 8: 77-81.
- ROSS, J.C., 1963. Soil conservation in South Africa. A review of the problem and developments to date. Pretoria: Government Printer. pp. 84.
- ROSS, J.C., 1965. Soil conservation in South Africa with special reference to control of erosion caused by water. In *Soil erosion by water*. FAO Agricultural Development Paper No. 81, Rome, pp. 226-237.
- ROSS, J.H., 1965. Notes on insect infestation in seed of *Acacia caffra* (Thunb.) Willd. in Natal. *Ann. Natal Mus.* 18: 221-226.
- ROTHWELL, A., 1975. A revised list of plant diseases in Rhodesia - additions, 1966-72. *Kirkia* 10: 297-307.
- ROUX, E., 1946. The veld and the future. Cape Town: The African Bookman. pp. 59.
- ROUX, P.W., 1966. Die uitwerking van seisoensreënval en beweidings op gemengde karooveld. *Proc. Grassld Soc. sth. Afr.* 1: 103-110.
- ROUX, P.W., 1967. Die onmiddellike uitwerking van intensiewe beweidings op gemengde Karooveld. *Proc. Grassld Soc. sth. Afr.* 2: 83-90.
- ROUX, P.W. & DE KOCK, D.G.C., 1971. Benutting van *Kochia brevifolia* deur skape. *Proc. Grassld Soc. sth. Afr.* 6: 108-117.
- ROWLAND, J.W., 1933. Notes on the study of plant successions imposed by grazing. *S. Afr. J. Sci.* 30: 307-316.
- ROWLAND, J.W., 1937. Grazing management. *Bull. Dep. Agric. For. Un. S. Afr. No. 168*, pp. 26.
- ROWLAND, J.W., 1948. Pasture research objectives for the semi-arid regions. *Fmg S. Afr.* 23: 498-503.
- ROWLAND, J.W. & HECTOR, J.M., 1932. Pasture studies I - a preliminary analysis of the grazing conditions on a Potgietersrust farm. *S. Afr. J. Sci.* 29: 338-350.
- RYCROFT, H.B., 1947. A note on the immediate effects of veld burning on streamflow in a Jonkershoek stream catchment. *Jl S. Afr. For. Ass. No. 15*, pp. 80-88.
- SALMON, R.C., 1965. Release of non-exchangeable potassium from some Rhodesian soils cropped with grass. *J. agric. Sci., Camb.* 65: 135-138.
- SANDER, C.J., 1970. Opbrengsbepaling van veld met 'n elektroniese kapasiteitsinstrument. *Proc. Grassld Soc. sth. Afr.* 5: 132-136.
- SANDER, C.L. & GROBLER, J.H., 1966. Invloed van kationoenuitruilings-kapasiteit en uitruilbare katione van kleisuspensies op die wortel- en stengelontwikkeling van meliesaaillinge. *S. Afr. Tydskr. Landbouwet.* 9: 539-546.
- SAUNDER, D.H., 1964. Exploring the potential of Rhodesian soils. *Proc. Trans. Rhod. scient. Ass.* 50: 16-28.
- SCHMIDT, M., 1963. Die Wasserwirtschaft Sudwest-Afrikas. *Wasserwirtschaft, Stuttg.* pp. 225-232.
- SCHMIDT-EISENLOHR, W.F., 1967. Beziehungen zwischen oberflächengestalt, klima und vegetation von Noord-Transvaal. *Erdkunde* 21: 12-25.
- SCHOEMAN, H.M., 1970. Enkele aspekte van die reënval van die Suidoostelike Transvaal wes van die eskarpment. M.Sc. thesis, University of Stellenbosch.
- SCHOEMAN, J.L., 1972. The soils as basis for agricultural development in the Orange catchment area: the soils of the Broekspruit sub-catchment area. *Agric. Res., Pretoria*, pp. 15-17.
- SCHOEMAN, N.S., 1937. Sward density and weed invasion of Woolly Finger (Pretoria Small) pastures under different grazing treatments. *S. Afr. J. Sci.* 34: 218-223.
- SCHOEMAN, S.L., 1939. Investigations on 1. The viable seed content of the veld and 2. The effect of seasonal grazing and cutting on the top growth and the root systems of natural veld and certain indigenous species. M.Sc. thesis, University of Pretoria.
- SCHOLZ, H., 1968a. Die Boden der Wüste Namib, Sudwestafrika. *Z. Pflernähr. Dung. Boden.* 119.2: 91-107.
- SCHOLZ, H., 1968b. Die Boden der Halbwüste Sudwestafrikas. *Z. Pflernähr. Dung. Boden.* 120: 105-118.
- SCHOLZ, H., 1968c. Die Boden der trockenen Savanne Sudwestafrikas. *Z. Pflernähr. Dung. Boden.* 120: 118-130.
- SCHOLZ, H., 1968d. Boden der Feuchten Savanne Sudwestafrikas. *Z. Pflernähr. Dung. Boden.* 120: 208-221.
- SCHOLZ, H., 1972. The soils of the central Namib Desert with special consideration of the soil in the vicinity of Gobabeb. *Madoqua ser.* 2.1: 33-51.
- SCHONKEN, J.D., 1924. Desiccation and how to measure it. *S. Afr. J. Sci.* 21: 131-148.
- SCHONKEN, J.D., 1925. Effective rainfall. *S. Afr. J. Sci.* 22: 96-103.
- SCHONKEN, J.D., 1930. The state of our natural water supply. *S. Afr. J. Sci.* 27: 201-212.
- SCHONKEN, J.D., 1931. Plant life and the desiccation process. *S. Afr. J. Sci.* 28: 238-245.
- SCHULZ, H.K., 1962. Rodent control in Sabie forests. *S. Afr. J. Sci.* 58: 161-174.
- SCHULZE, B.R., 1947. The climates of South Africa according to the classifications of Köppen and Thornthwaite. *S. Afr. geogr. J.* 29: 32-42.
- SCHULZE, B.R., 1958. The climate of South Africa according to Thornthwaite's rational classification. *S. Afr. geogr. J.* 40: 31-53.
- SCHULZE, B.R., 1965. Climate of South Africa. Part 8. General survey. Pretoria: Department of Transport, Weather Bureau, WB 28, pp. 330.
- SCHUMANN, T.E.W. & HOFMEYER, W.L., 1938. The partition of a region into rainfall districts with special reference to South Africa. *Q. Jl R. met. Soc.* 64: 5-10.
- SCHUMANN, T.E.W. & THOMPSON, W.R., 1934. A study of South African rainfall: secular variations and agricultural aspects. *Publs Univ. Pretoria Ser. I, No. 28*, pp. 46.
- SCHUTTE, K.H., 1965. A rapid and simple method for measuring the evaporating power of the air. *Jl S. Afr. Bot.* 31: 127-131.
- SCHUTTE, K.H. & ELSWORTH, J.F., 1954. The significance of large pH fluctuations observed in some South African vleis. *J. Ecol.* 42: 148-150.
- SCHUURMAN, C.J., 1948. Conservation of our veld and soil. *Fmg S. Afr.* 23: 291-292.
- SCHWARZ, E.H.L., 1923. The Kalahari scheme as the solution of the South African drought problem. *S. Afr. J. Sci.* 20: 208-221.
- SCOTNEY, D., 1971. Soils and land use planning in the Howick extension area. Ph.D. thesis, University of Natal.
- SCOTNEY, D.M., 1971. Land capability classification - a basis for farm conservation planning. *Proc. Grassld Soc. sth. Afr.* 6: 101-107.
- SCOTT, J.D. & RABIE, J.W., 1956. Preliminary studies on growth and development of *Eragrostis curvula* and *Themeda triandra*. *S. Afr. J. Sci.* 52: 207-210.
- SCOTT, K.M.F., ALLANSON, B.R. & CHUTTER, F.M. (eds), 1971. Orange River project: working group for ORP-hydrobiology of the Fish and Sundays Rivers. CSIR Res. Rep. No. 306, pp. 61.

- SCOTT-ELLIOT, G.F., 1890. Ornithophilous flowers in South Africa. *Ann. Bot.* 4: 265-280.
- SEINER, F., 1910. Trockensteppen der nördlichen und mittleren Kalahari. *Vegetationsbilder* 8: 1-6.
- SERRANO, J.F., 1973. A capacidade utilizavel para a agua em grandes grupos de solos de Mocambique. *Agronomia Mocamb.* 6.4: 259-266.
- SHANTZ, H.L. & MARBUT, C.F., 1923. The vegetation and soils of Africa. New York: National Research Council & American Geographical Society. pp. 263.
- SHANTZ, H.L. & TURNER, B.L., 1958. Photographic documentation of vegetational changes in Africa over a third of a century. Report 169, College of Agriculture, University of Arizona, pp. 158.
- SHAW, J., 1875. On the changes going on in the vegetation of South Africa through the introduction of merino sheep. *J. Linn. Soc. (Bot.)* 14: 202-208.
- SHEPPE, W. & OSBORNE, T., 1971. Patterns of use of a floodplain by Zambian mammals. *Ecol. Monogr.* 41: 179-205.
- SIM, J.T.R., 1943. Mountain fires. *Fmg S. Afr.* 18: 283-286.
- SIM, J.T.R., 1947. Anti-erosion measures for the Swartland. *Fmg S. Afr.* 22: 17-24.
- SIM, T.R., 1926. Some effects of man's influence on the South African flora. *S. Afr. J. Sci.* 23: 492-507.
- SKEAD, C.J., 1963. Sunbirds and strelitzias. *Bokmakierie* 14: 24-26.
- SLABBER, M.H., 1945. 'n Grondopname van die Malmesbury-Piketberg streek. D.Sc. thesis, University of Stellenbosch.
- SMIT, B.J., 1921. Representative Transvaal soils. The norite or black turf soils. *J. Dep. Agr. Un. S. Afr.* 3: 1-7.
- SMIT, C., 1831. Biographical notice of the Late Captain Dugald Carmichael F.L.S. Hooker, bot. Misc. 2: 1-59 & 258-343.
- SMITH, C.A., 1966. Studies on the *Hyparrhenia* veld of Zambia. The effects of cattle grazing veld and dambos at different stocking rates. *J. agric. Sci., Camb.* 66: 49-56.
- SMITH, J.L.B. & SAPIRO, M.L., 1934. Outline investigation of the essential oil of *Pteronia stricta* Ait. *Trans. R. Soc. S. Afr.* 21: 51-54.
- SMUTS, J.C., 1932. Climate and man in South Africa. *S. Afr. J. Sci.* 29: 98-131.
- SOANE, B.D., 1960. Soil water and plant relations. *Rhodesia agric. J.* 57: 46-51.
- SOANE, B.D. & SAUNDER, D.H., 1959. Nickel and chromium toxicity of serpentine soils in Southern Rhodesia. *Soil Sci.* 88: 322-329.
- SOMMERLATTE, M.W.L., 1975. A preliminary report on the number, distribution and movement of elephants in the Chobe National Park with notes on browse utilization. *Botswana Notes and Records* 7: 121-129.
- SPARROW, G.W.A., 1965. Soils and land forms. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.*, pp. 270-275.
- STANDER, G.J., 1955. Water en watergebruik in Suid-Afrika. 'n Kernoorisig. *Tydskr. Wet. Kuns, Oct.* pp. 220-224.
- STANDER, G.J., 1959. Quantity and quality of Africa's water make planned use of it essential. *Economic Opinion* 5: 17-24.
- STANDER, G.J., 1960. Factors which affect the chemistry, bacteriology and biology of surface water supplies. *CSA/CCTA Pubs* No. 64, pp. 179-197.
- STANLEY, G.H., 1912. Note on the Thaba Basin sand-dunes. *S. Afr. J. Sci.* 10: 49.
- STANTON, D.A. & BURGER, R. DU T., 1966a. Studies on zinc in selected Orange Free State soils. *S. Afr. J. agric. Sci.* 9: 601-616.
- STANTON, D.A. & BURGER, R. DU T., 1966b. Studies on zinc in selected Orange Free State soils. 2. Distribution of zinc in selected profiles and in particle-size fractions. *S. Afr. J. agric. Sci.* 9: 808-821.
- STANTON, D.A. & BURGER, R. DU T., 1967. Studies on zinc in selected Orange Free State soils. 3. Zinc content of iron concretions, occurring in the soil. *S. Afr. J. agric. Sci.* 10: 569-574.
- STAPLES, R.R., 1926. Experiments in veld management. First report. *Sci. Bull. Dep. Agric. & For. Un. S. Afr.* No. 49, pp. 30.
- STAPLES, R.R., 1930. Studies in veld management. A second report on certain veld burning and grazing experiments. *Sci. Bull. Dep. Agric. & For. Un. S. Afr.* No. 91, pp. 31.
- STAPLES, R.R., 1949. The water cycle as affected by land use. In *Statements and communications of the African Regional Scientific Conference*, 17-28 Oct. 1949, pp. 66-69. Johannesburg.
- STAPLES, R.R. & TAYLOR, A.J., 1929. Studies in pasture management. A preliminary report on the seasonal composition of certain South African pasture grasses in relation to their manuring and intensity of grazing. *S. Afr. J. Sci.* 26: 139-153.
- STEENKAMP, C.J., 1964. A semi-micro method for determining the exchangeable cations and cation exchange of a montmorillonitic clay. *S. Afr. J. Agric. Sci.* 8: 535-541.
- STEENKAMP, C.J., 1965. Potassium fixation by a black subtropical clay and the changes in its clay mineral lattice upon fixation. *S. Afr. J. agric. Sci.* 8: 535-541.
- STENGEL, H.W., 1963. *Wasserwirtschaft in SWA*. Windhoek: Afrika Verlag der kreis, pp. 467.
- STENGEL, H.W., 1964. Die Wasserwirtschaftliche Entwicklung einer farm in Südwestafrika. *Jl S. W. Africa scient. Soc.* 17: 37-102.
- STEWART, T., 1913. The rainfall on Table Mountain. *Trans. R. Soc. S. Afr.* 3: 41-46.
- STEYN, J.N., 1968. 'n Grondgebruikstudie van die Mtunzini distrik. M.A. thesis, University of Stellenbosch.
- STOCKING, M.A., 1972. A geographical analysis of the factors in the erosion of soils in Rhodesia. M. Phil. thesis, University of London.
- STODART, D.M., 1975. Afforestation, catchment protection and water supply demands. *S. Afr. For. J. No.* 93, pp. 12-20.
- STONE, E.C., 1957. Dew as an ecological factor. 1. Review of the literature. *Ecology* 38: 407-413.
- STORY, R., 1951. New distribution records for *Ocotea bullata* E. Mey. and *Lachnophylis floribunda* (Benth.) C.A. Sm. with account of an insect pest of the Stinkwood. *S. Afr. J. Sci.* 47: 190-198.
- STORY, R., 1958. Some plants used by the Bushmen in obtaining food and water. *Mem. bot. Surv. S. Afr.* No. 30, pp. 115.
- STORY, R., 1964. Plant lore of the Bushmen. In Davis, D.H.S. (ed.), *Ecological studies in southern Africa*, pp. 87-99. The Hague: Junk.
- STRANG, R.M., 1965. Bush encroachment and secondary succession in the Rhodesian highveld with special reference to soil moisture relationships. Ph.D. thesis, University of London, pp. 771.
- STRANG, R.M., 1969. Soil moisture relationships under grassland and under woodland in the Rhodesian highveld. *Commonw. For. Rev.* 48: 26-40.
- STRANG, R.M., 1974. Some man-made changes in successional trends on the Rhodesian Highveld. *J. appl. Ecol.* 11: 249-263.
- STRYDOM, B.W., 1965. The effect of soil pH and soil type on the occurrence of *Beijerinckia* species in non-lateritic soils. *S. Afr. J. agric. Sci.* 8: 853-861.
- STUART, J.S.N., 1920. The effects of storms on certain forests in the Tsolo District, Cape Province. *Bull. Dep. For. Un. S. Afr.* No. 2, pp. 7.
- SUMNER, M.E., 1958a. The physical and chemical properties of tall grassland soils of Natal in relation to their erodibility. M.Sc. (Agric.) thesis, University of Natal.
- SUMNER, M.E., 1958b. A simplified technique for the determination of soil aggregation. *S. Afr. J. agric. Sci.* 1: 301-304.
- SUMNER, M.E. & DAVIDTZ, J.L., 1965. Positive and negative charges in some Natal soils. *S. Afr. J. agric. Sci.* 8: 1045-1050.
- SUMNER, M.E. & MEYER, J.H., 1971. Incidence of toxic aluminium in sandy soils. *Proc. 45th Cong. S. Afr. Sug. Technol. Ass.* pp. 212-216.
- SUTTON, J.R., 1921. A contribution to the study of the rainfall map of South Africa. *Trans. R. Soc. S. Afr.* 8: 367-414.
- SWART, M.J., 1956. *Klimaatipes van Suidwes-Kaapland volgens die Köppenunderling*. M.A. thesis, University of Stellenbosch.

- TAINTON, N.M., 1972. The relative contribution of overstocking and selective grazing to the degeneration of tall grassveld in Natal. *Proc. Grassld Soc. sth. Afr.* 7: 39-43.
- TALBOT, A.M., 1970. Some aspects of resource use in relation to the Orange River project. *S. Afr. J. Sci.* 145:151.
- TALBOT, W.J., 1947. Swartland and Sandveld: a survey of land utilization and soil erosion in the western lowland of the Cape Province. Cape Town: Oxford University Press. pp. 79.
- TALBOT, W.J., 1961. Land utilization in the arid regions of Southern Africa. Part 1. South Africa. *Arid Zone* 17: 299-331.
- TAYLOR, A.J., 1931. Studies in pasture management. A further report on the seasonal composition of certain South African pasture grasses in relation to their manuring and intensity of grazing. *S. Afr. J. Sci.* 28: 205-206.
- TAYLOR, H.C., 1957. Upsetting nature's balance. Cape Department of Nature Conservation Report No. 14: 61-64.
- TAYLOR, H.C., 1963. A bird's-eye view of Cape mountain vegetation. *J. bot. Soc. S. Afr.* 49: 17-19.
- TAYLOR, R.D., 1974. A comparative study of land use on a cattle and game ranch in the Rhodesian Lowveld. M.Sc. thesis, University of Rhodesia.
- TEIXEIRA, J.B., 1966. *Relatorio Preliminar de Cartografie de Vegetacao do Distrito do Bie (la Fase). Area a Norte do Caminho de Ferro de Benguela.* Nova Lisboa, Instituto de investigacao Agronomica de Angola.
- TEMPANY, H.A., 1944. Soil erosion and soil conservation in the colonial Empire. *Emp. J. exp. Agric.* 12: 121-153.
- THATCHER, F.M. & LUBKE, R.A., 1974. Discriminant analysis used to detect population variation amongst grasses collected on mine dumps. *Jl S. Afr. Bot.* 40: 27-45.
- THERON, E.P., 1966. A study of certain chemical and physical properties of ten indigenous grasses and their relation to animal preference. D.Sc. thesis, University of Natal.
- THERON, E.P., LUDORF, R. & JONES, A., 1972. Notes on the value of *Paspalum vaginatum* Sw. as a pasture grass for saline and structureless soils. *Proc. Grassld Soc. sth. Afr.* 7: 126-129.
- THERON, E.P., VENTER, A.D. & JONES, R.I., 1959. Four-camp system not always solution to problem of selective grazing. *Fmg S. Afr.* 35:2: 6-10.
- THERON, J.J., 1955. The recuperation of soil under grass pastures. In Meredith, D. (ed.), *The grasses and pastures of South Africa*, pp. 697-711. Johannesburg: Central News Agency.
- THERON, J.J., 1965. The influence of fertilizers on the organic matter content of the soil under natural veld. *S. Afr. J. agric. Sci.* 8: 525-534.
- THODAY, D., 1921. On the behaviour during drought of two species of *Passerina* with some notes on their anatomy. *Ann. Bot.* 35: 585-601.
- THOMAS, R.G., 1959. Classification of soils for land use purposes in the Rhodesias. 1. Soil classification and mapping. In *Proceedings of the 3rd inter-African soils conference*, pp. 351-354.
- THOMPSON, B.W., 1965. *The climate of Africa*. London: Oxford University Press.
- THOMPSON, G.D. & BOYCE, J.P., 1967. Daily measurements of potential evapotranspiration from fully canopied sugarcane. *Agric. Meteorol.* 4: 267-279.
- THOMPSON, G.D., GROSSELL, J.M. & DE ROBILLARD, P.J.M., 1967. Responses of sugarcane to supplementary irrigation on two soils in Natal. *Expl Agric.* 3,3: 50-65.
- THOMPSON, J.G., 1960. A description of the growth habits of mopane in relation to soil and climate conditions. In *Proceedings of the 1st Federation science congress*, Salisbury, pp. 181-186.
- THOMPSON, J.G., 1965. The soils of Rhodesia. In *Rhodesia: it's natural resources and economic development*. Salisbury: Collins.
- THOMPSON, J.G., 1966. The soils of Rhodesia and their classification. Ph.D. thesis, University of Natal.
- THOMSON, P.J., 1975. The role of elephants, fire and other agents in the decline of a *Brachystegia boehmii* Woodland. *J. sth. Afr. Wildl. Mgmt Ass.* 5: 11-18.
- THOMPSON, W.R., 1935. Rainfall, soil erosion and run-off in South Africa. *Publs Univ. Pretoria ser. 1*, No. 29, pp. 39.
- TIDMARSH, C.E.M., 1950. Is the world in the throes of a dry period? *Farmer's Weekly*, Bloemfontein, 9 Jan., p. 51.
- TIDMARSH, C.E.M., 1952. Climate and grass. In *Veld gold: a South African book of grassland farming*, pp. 15-21. Johannesburg: National Veld Trust.
- TIDMARSH, C.E.M., 1968. Bioclimatology with special reference to agriculture. *S. Afr. J. Sci.* 64: 456-459.
- TILLET, E.R. & SAUNDER, D.H., 1959. Soil moisture relationships of some Rhodesian soils. *Rhodesia agric. J.* 56: 61-64.
- TOPHAM, P., 1930. Man and the forests in Northern Nyasaland. *Emp. For. J.* 9: 213-225.
- TORRANCE, J.D., 1962. The agriculture climates of Southern Rhodesia. *Note Agric. Met. Rhod. Nyassald Met. Serv.* 10.
- TORRANCE, J.D., 1973. The 1972/73 rainy season and drought. *Rhod. Sci. News* 7,3: 73.
- TRAPNELL, C.G., 1953. The soils, vegetation and agriculture of north-eastern Rhodesia. Lusaka: Government Printer.
- TRAPNELL, C.G. & CLOTHIER, J.N., 1957. The soils, vegetation and agricultural systems of north-western Rhodesia. Lusaka: Government Printer. pp. 81.
- TROLLIP, L.H., 1965. Let's get soil conservation moving. *Farmer's Weekly*, Bloemfontein, 7 July, pp. 47.
- TSCHINKEL, W.R., 1973. The sorption of water vapour by windborne plant debris in the Namib Desert. *Madoqua*, Ser. 2, 2: 21-24.
- TYSON, P.D., 1964. Berg winds of South Africa. *Weather*, Lond. 19: 7-11.
- TYSON, P.D., 1968. Nocturnal local winds in a Drakensberg Valley. *S. Afr. geogr. J.* 50: 15-39.
- VAN AARTSEN, J.P., 1943. Erosion and soil conservation in the Union of South Africa. *Int. Rev. Agric.* 34: 153-201.
- VAN DER BANK, W.J., 1964. Mechanical composition of red ferruginous Natal soils. M.Sc. thesis, University of Natal.
- VAN DER BANK, W.J., 1968. *Bodemopname van Lichtenburg*. Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) No. 57, pp. 58.
- VAN DER EYK, J.J., 1965. Climate as a soil-forming factor in Natal. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.*, pp. 234-241.
- VAN DER EYK, J.J., MACVICAR, C.N. & DE VILLIERS, J.M., 1969. Soils of the Tugela Basin. Natal Town and Regional Planning Commission Report 15, Pietermaritzburg, pp. 263.
- VAN DER EYK, J.J. & ORCHARD, E.R., 1959. A regional soil survey of the Tugela Basin (Natal) based on aerial photos. In *Proceedings of the 3rd inter-African soils conference*, Dalaba.
- VAN DER MERWE, A. LE R., BURGER, C.M. & WEHMEYER, A.S., 1966. *Suid-Afrikaanse veldkosse: 1. Makatinivlakte, Noord-Natal*. Pretoria: National Food Research Institute. pp. 35.
- VAN DER MERWE, C.R., 1941. Soil groups and subgroups of South Africa. *Sci. Bull. Dep. Agric. & For. Un. S. Afr.* No. 231, pp. 316.
- VAN DER MERWE, C.R., 1952. The South African soil. *Fmg S. Afr.* 27: 206-208.
- VAN DER MERWE, C.R., 1954a. The soils of the desert and arid regions of South Africa. In *Proceedings of the 2nd inter-African soils conference*, 9-14 Aug. 1954, Leopoldville.
- VAN DER MERWE, C.R., 1954b. Kalahari and Sahara sandy soils. *Int. Congr. Soil Sci.* 5: 117-122.
- VAN DER MERWE, C.R., 1955. Clay minerals of soils of the desert and adjoining semi-arid regions. *Soil Sci.* 80.
- VAN DER MERWE, C.R., 1962. Soil groups and subgroups of South Africa. *Sci. Bull. Dep. Agric. S. Afr.* No. 356, pp. 355.
- VAN DER MERWE, C.R., ACOCKS, J.P.H., BRAIN, C.K., FROMMURZE, H.F., KOKOT, D.F., SCHUMANN, T.E.W. & TIDMARSH, C.E.M., 1951. Report of the Desert Encroachment Committee, Union of S.A. Pretoria: Government Printer. pp.27.
- VAN DER MERWE, C.R. & WEBER, H.W., 1965. The clay minerals of South African soils developed from dolerite under different climatic conditions. *S. Afr. J. agric. Sci.* 8: 111-141.
- VAN DER MERWE, D.H., 1967. The composition and physical properties of the clay soils on the mafic rocks of the Bushveld Igneous Complex. *Proc. 4th Reg. Cont. Africa Soil Mech.* pp. 141-146.

- VAN DER MERWE, J.J., 1966. Be careful with new lands. *Fmg S. Afr.* 42:2: 19-21, 54 & 58.
- VAN DER MERWE, N.J., 1962. The position of nature conservation in South Africa. *Koedoe* 5: 1-122.
- VAN DER SCHIJFF, H.P., 1959. Weidingsmoontlikhede en weidingsprobleme in die Nasionale Krugerwildtuin. *Koedoe* 2: 96-127.
- VAN DER SCHIJFF, H.P., 1965. Die invloed van termitaria op die plantegroei van die Nasionale Krugerwildtuin. *Tydskr. Natuurwet.* 5: 48-54.
- VAN DER SCHIJFF, H.P., 1968. Die topografie, geologie en grondsoorte van die Nasionale Krugerwildtuin met verwysing na plantegemeenskappe wat op die verskillende grondsoorte voorkom. *Tydskr. Natuurwet.* 8: 32-50.
- VAN DER SCHIJFF, H.P., 1969a. Weidingsprobleme en natuurbewaring. Deel 1. *Afr. wild Life* 23: 25-36.
- VAN DER SCHIJFF, H.P., 1969b. Weidingsprobleme en natuurbewaring. Deel 2. *Afr. wild Life* 23: 105-128.
- VAN DER WALT, P.T., 1972. 'n Plantekologiese opname van Boschberg en sy omringende gebiede met spesiale verwysing na die weidingsfaktor. Ph. D. thesis, University of Natal.
- VAN DER WALT, T.L., 1971. Voorlopige verslag oor die reaksie van dorre Karooveld op beweiding gedurende spesifieke jaargetye: Boesmangrasveld. *Proc. Grassld Soc. sth. Afr.* 6: 82-85.
- VAN DER WATT, H.V.H., 1966. Improved tables and a simplified procedure for soil particle size analysis by the hydrometer method. *S. Afr. J. agric. Sci.* 9: 911-916.
- VAN DER WESTHUIZEN, M., 1964. On the possibility of measuring soil moisture with high frequency electro-magnetic waves. *S. Afr. J. agric. Sci.* 7: 589-590.
- VAN DER ZEL, D.W., 1970. The effect of a thinning on flow in a Jonkershoek stream. *For. S. Afr. No. 11*, pp. 41-44.
- VAN DER ZEL, D.W., 1974. Catchment research at Zachariashoek. *For. S. Afr. No. 15*, pp. 23-40.
- VAN DER ZEL, D.W., 1975. Umgeni River catchment analysis. *Water S.A.* 1:2: 70-75.
- VAN DER ZEL, D.W. & DE VILLIERS, P.C., 1975. A hydro-economic evaluation of forestry in the Eerste River Catchment. *For. S. Afr. No. 16*, pp. 19-26.
- VAN DER ZEL, D.W. & KRUGER, F.J., 1975. Results of the multiple catchment experiments at the Jonkershoek Research Station, South Africa. 2. Influence of protection of fynbos on stream discharge in Langrivier. *For. S. Afr. No. 16*, pp. 13-18.
- VAN DER ZEL, D.W. & PLATHE, D.J.R., 1969. 'n Veldbrand eksperiment op meervoudige opvanggebiede in Jakkalsrivier, Lebanon. *For. S. Afr. No. 10*, pp. 63-71.
- VAN DER ZEL, D.W. & WICHT, C.L., 1974. Allocation of water to forestry and other users in the catchment of the Eerste River. *For. S. Afr. No. 15*, pp. 47-56.
- VAN REENEN, R.J., 1923. A resume of the drought problem in the Union of South Africa. *S. Afr. J. Sci.* 20: 178-192.
- VAN REENEN, R.J., 1935. Weerstand teen droogte. Pretoria: Government Printer. pp. 224.
- VAN REENEN, R.J., 1969. Note on the apparent regularity of the occurrence of wet and dry years in S.W.A. *Jl S.W. Africa scient. Soc.* 22: 94-95.
- VAN RENSBURG, C.J.J., 1944. Veld and soil reclamation and utilization in the Transvaal Bushveld. M.Sc. thesis, University of the Witwatersrand.
- VAN RENSBURG, H.J., 1942. A comparison of quadrat results and phenological data in a series of highveld grassland grazing experiments subjected to different treatments over a period of six years. *S. Afr. J. Sci.* 38: 186-197.
- VAN ROOYEN, T.H., 1964. Pedogenese van die Kranskop- en Clovellyseries. M.Sc. (Agric.) thesis, University of Natal.
- VAN ROOYEN, T.H., 1971. Soils of the central Orange River basin. D.Sc. thesis, University of the Orange Free State.
- VAN ROOYEN, T.H. & BURGER, R. DU T., 1974. Plant ecological significance of the soils of the central Orange River basin. *S. Afr. geogr. J.* 56: 60-66.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968a. Evaluation of the nutritive value of a *Themeda triandra* pasture in the central Orange Free State. 1. Botanical composition and nutritive value. *S. Afr. J. agric. Sci.* 11: 113-122.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968b. Evaluation of the nutritive value of a *Themeda triandra* pasture in the Central Orange Free State. 2. Comparison between quadrat and simulated grazing samples. *S. Afr. J. agric. Sci.* 11: 249-258.
- VAN SCHALKWYK, A., LOMBARD, P.E. & VORSTER, L.F., 1968c. Evaluation of the nutritive value of a *Themeda triandra* pasture in the Central Orange Free State. 3. Grazing samples and selecting ability of cattle. *S. Afr. J. agric. Sci.* 11: 483-492.
- VAN WIJK, P., 1957. Die invloed van die ligfaktor op die groei, ontwikkeling en voortplanting van 'n aantal mesofitiese grassoorte. M.Sc. thesis, Potchefstroom University for CHE. pp. 110.
- VAN WYK, J.J.P., BOSCH, O.J.H. & KRUGER, J.A. 1969. Droogtebeskadijng van bosveldbome en groot struie. *Proc. Grassld Soc. sth. Afr.* 4: 61-65.
- VAN WYK, P. & FAIRALL, N., 1969. The influence of the African elephant on the vegetation of the Kruger National Park. *Koedoe* 12: 57-89.
- VAN WYK, W.L., 1963. Ground water studies in northern Natal, Zululand and surrounding areas. *Mem. geol. Surv. S. Afr. No. 52*, pp. 135.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1975. The origin and palaeoenvironment of the Namib Desert biome. *J. Biogeogr.* 2: 65-73.
- VAN ZYL, J.H.M., 1965. The vegetation of the S.A. Lombard Reserve and its utilization by certain antelopes. *Zool. Afr.* 1: 55-71.
- VAN ZYL, J.P., 1926. Phosphorus deficiency in South African soils and vegetation. *S. Afr. J. Sci.* 23: 244-255.
- VENN, A.C. & LOXTON, R.F., 1974. Aerial photography, soil surveys and land capability classification for forestry planning in southern Africa. *S. Afr. For. J.* 90: 18-22.
- VENTER, G.C.H., FOLSCHER, W.J. & OBERHOLSTER, R.E., 1967. Gronde van die Nootgedacht Navorsingstasie, Ermelo. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 61, pp. 20.
- VENTER, G.C.H. & OBERHOLSTER, A.E., 1965. 'n Gewysigde metode vir die bepaling van bukdigtheid van grond. *S. Afr. J. agric. Sci.* 8: 73-77.
- VENTER, R.J., 1950. Bibliography of regional meteorological literature. Vol. 1. southern Africa 1486-1948. Pretoria: Department of Transport, Weather Bureau, WB 12. pp. 412.
- VERDCOURT, B., 1967. The "arid corridor" between S.W. Africa and the horn of Africa. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa* 2: 76. Cape Town: Balkema.
- VERDCOURT, B., 1969. The "arid corridor" between the north-east and south-west area of Africa. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa* 4: 140- 144. Cape Town Balkema.
- VERDOORN, I.C., 1923. The flowering parasitic plants found in South Africa. *S. Afr. J. nat. Hist.* 4: 221-228.
- VERSTER, E., 1971. Soil survey of Makwassie. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 56, pp. 60.
- VERSTER, E. & DE VILLIERS, J.M., 1928. Criteria for the recognition of oxisols - a preliminary examination. *S. Afr. J. agric. Sci.* 11: 1-8.
- VERSTER, E., DE VILLIERS, J.M. & SCHEEPERS, J.C., 1973. Gilgai in the Rustenburg area. *Agrochemophysica* 4: 57-62.
- VILJOEN, A., 1970. Catchment protection in the winter rainfall region. *Fmg S. Afr.* 46:7: 57-61.
- VILJOEN, P.R., 1919. Preliminary report on the harmful effects of "Steek" grass on the general health and condition of sheep. *Rep. vet. Res. Un. S. Afr. No. 5/6*, pp. 321-333.
- VINCENT, V., 1959. Classification of soils for land use purposes in Northern Rhodesia. 11. Land capability classification. In *Proceedings of the 3rd inter-African soils conference*, pp. 354-360.
- VLOK, J.J.A.L., 1963. The feed value of natural grazing in the border areas between the winter and summer rainfall regions in the district of Calvinia. M.Sc. (Agric.) thesis, University of Stellenbosch.
- VOLK, O.H. & GEYER, E., 1970. Schaumboden als ursache der vegetationslosigkeit in ariden Gebieten. *Z. Geomorph.* 14: 79-95.
- VON BERG, D.A., 1964. The effects of a grass ley on the fertility of a Transvaal soil. M.Sc. thesis, University of the Witwatersrand.

- VON BROEMSEN, H.H., 1965a. A wheel-point apparatus for the survey and measurement of open and semi-open savannah vegetation. Int. Grassld Congr. 9: 1345-1348.
- VON BROEMSEN, H.H., 1965b. A study of the point method of vegetation measurement by means of an electronic analogue apparatus. Int. Grassld Congr. 9: 1409-1414.
- VON BROEMSEN, H.H., 1972. Plant pattern studies. Agric. Res., Pretoria, pp. 26-27.
- VON CHRISTEN, H.C., 1964. Some observations on the forest soils of South Africa. For. S. Afr. No. 5, pp. 1-21.
- VON GODOW, K., 1973. Observations on the utilization of indigenous trees by the Knysna elephants. For. S. Afr. No. 14, pp. 14-17.
- WAGER, V.A. & ROWE-ROWE, D.A., 1972. The effects of *Tilapia rendalli* and *T. mossambica* on aquatic macrophytes and fauna in five ponds. S. Afr. J. Sci. 68: 257-260.
- WALKER, B.H., 1974. Ecological considerations in the management of semi-arid ecosystems in South-Central Africa. In Proceedings of the 1st international congress on ecology, pp. 124-129.
- WALMSLEY, R.D., BREEN, C.M. & KYLE, E., 1973. Aspects of the fern-alga relationship in *Azolla filiculoides*. News Lett. Limnol. Soc. Sth. Afr. 20: 13-21.
- WALTER, H., 1936a. Die ökologischen verhältnisse in der Namib-Nebelwüste (Sudwestafrika) unter Auswertung der Aufzeichnungen der Dr. G. Boss (Swakopmund). Jb. Wiss. Bot. 84: 58-222.
- WALTER, H., 1936b. Die ökologischen verhältnisse in der nebelwüste Namib. Ber. dt. bot. Ges. 54: 39-44.
- WALTER, H., 1936c. Die periodizität von trocken und regenzeiten in Deutsch-Sudwestafrika auf grund von Jahres ringmessungen an baumen. Behr. dt. bot. Ges. 54: 608-620.
- WALTER, H., 1939. Grasland, savanne und busch der arideren teile Afrikas in ihrer ökologischen bedingtheit. Jb. wiss. Bot. 87: 750-860.
- WALTER, H., 1941. Die natürliche weide in Deutsch-Sudwestafrika als ernährungsgrundlage für das vieh. Dt. tierärztl. wscrh. koltierarzt. suppl. 49: 394-396.
- WALTER, H., 1964. Productivity of vegetation in arid countries, the savanna problem and bush encroachment after overgrazing. Tech. Meet. int. Un. Conserv. Nat. nat. Resour. 9: 221-229.
- WALTER, H., 1971. The Namib Fog Desert. In Walter, H., Ecology of tropical and subtropical vegetation, pp. 338-374. Edinburgh: Oliver & Boyd.
- WALTER, H., 1973. Vegetation of the earth in relation to climate and the ecophysiological conditions. New York: Springer - Verlag, pp. 237.
- WALTER H., HARNICKELL, E. & MUELLER-DOMBOIS, D., 1975. Klimadiagramm-karten der einzelnen kontinente und die ökologische klimagliederung der erde. Herausgegeben von Walter, H., Vegetationsmonographien der einzelnen grossräume. Band 10. Stuttgart: Fischer.
- WALTERS, M.M., 1940. Soil erosion in the Eastern Transvaal. Fmg S. Afr. 15: 297 & 312.
- WARD, C.J., 1962. Report on weed growth in the upper reaches of St Lucia Estuary. St Lucia documentation Centre, Natal Parks Board, St Lucia Estuary.
- WARD, C.J., 1975. Mapelane-Cape St Lucia Dune System. Comments on proposed mining operations. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- WATSON, J.P., 1964. A soil catena on granite in Southern Rhodesia. J. Soil. Sci. 15: 238-257.
- WATSON, J.P., 1965. A soil catena on granite in Southern Rhodesia. 3. Clay minerals. 4. Heavy minerals. 5. Soil evolution. J. Soil. Sci. 16: 158-169.
- WATT, J.M., 1930. The poisonous plants of South Africa. J. med. Ass. S. Afr. 4: 221-225.
- WATT, J.M., 1937. Plants and poisoning in man with a short account of plant allergy. S. Afr. J. Sci. 33: 702-707.
- WATT, J.S., 1959. Report of the SARCCUS subcommittee on land use for the semi-arid regions of Southern Africa. Sols afr. 4: 42-90.
- WATT, W.E., 1947. The conservation of existing forests and the need to plant forest trees for effective soil conservation in the Union of South Africa. Jl S. Afr. For. Ass. No. 15, pp. 8-10.
- WEATHER BUREAU, 1957. Climate of South Africa. Part 4. Rainfall maps. Pretoria: Department of Transport, Weather Bureau, WB 22. pp.20.
- WEATHER BUREAU, 1972. Climate of South Africa. Part 10. District rainfall for South Africa and the annual march of rainfall over South Africa. Pretoria: Department of Transport, Weather Bureau, WB 35. pp 116.
- WEATHER BUREAU, 1974. Climate of South Africa. Part 11. Extreme values of rainfall, temperature and wind for selected return periods. Pretoria: Department of Transport, Weather Bureau, WB 36. pp. 29.
- WEATHER BUREAU, 1975. Climate of South Africa. Part 12. Surface winds. Pretoria: Department of Transport, Weather Bureau, WB 38. pp. 79.
- WEBSTER, R., 1959. Genesis and classification of upland soils in Northern Rhodesia. CSA/CCTA Publs No. 50, pp. 50.
- WEBSTER, R., 1965. A catena of soils on the Northern Rhodesia plateau. J. Soil. Sci. 16: 31-43.
- WEIMANN, H., 1955. The chemistry and physiology of grasses. In Meredith, D.(ed.), The grasses and pastures of South Africa, pp. 571-600. Johannesburg: Central News Agency.
- WEINMANN, H., 1948. Effects of grazing intensity and fertilizer treatment on Transvaal highveld. Emp. J. exp. Agric. 16: 111-118.
- WELLINGTON, J.H., 1949. A new development scheme for the Okovango delta, northern kalahari. Geogr J. 113: 62-69.
- WELLINGTON, J.H., 1955. Southern Africa: a geographical study. Vol 1. Physical geography. Cambridge: Cambridge University Press, pp 528.
- WELLINGTON, J.H., 1970. Zambesi-Okovango development projects. Geogr Rev. 39: 552-567.
- WELLINGTON, J.H., 1973a. Desert and arid regions. In Potgieter, D.J. et al. (eds), Standard encyclopedia of southern Africa 3: 650-655. Cape Town: Nasou.
- WELLINGTON, J.H., 1973b. Namib. In Potgieter, D.J. et al. (eds), Standard encyclopedia of southern Africa 8: 33-36. Cape Town: Nasou.
- WELLS, L.H., 1967. N.E.-S.W. "Arid Corridor" in Africa. S. Afr. J. Sci. 63: 480-481.
- WELLS, M.J., 1960. The climate and vegetation of the Loskop Dam Nature Reserve. Fauna Flora, Pretoria 11: 21-36.
- WERGER, M.J.A., 1974a. On concepts and techniques applied in the Zurich-Montpellier method of vegetation survey. Bothalia 11: 309-323.
- WERGER, M.J.A., 1974b. The place of the Zurich-Montpellier method in vegetation science. Folia Geobot. & Phytotax. Bohemoslov. 9: 99-109.
- WEST, O., 1937. An investigation of the methods of botanical analysis of pasture. S. Afr. J. Sci. 33: 501-559.
- WEST, O., 1947. Thorn bush encroachment in relation to the management of veld grazing. Rhodesia agric. J. 44: 488-497.
- WEST, O., 1952. Plant succession and veld burning considered particularly in relation to the management of Bushveld grazing. In Veld gold: a South African book of grassland farming, pp. 65-80. Johannesburg: National Veld Trust.
- WEST, O., 1958. Bush encroachment, veld burning and grazing management. Rhodesia agric. J. 55: 407-425.
- WEST, O., 1962. Factors affecting the carrying capacity of veld grazing. Proceedings of the 1st inter-departmental conference of pasture workers, 1962, Bulawayo, pp. 6-22.
- WEST, O., 1972. Fire, man and wildlife as interacting factors limiting the development of climax vegetation in Rhodesia. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 121-145.
- WHETSTONE, G.A., 1972. Adaptation to aridity: water development in South Africa. Wat. Resour. Bull. 8: 600-607.
- WHITLOCK, L.F., 1950. Future development in the Kalahari. Fmg S. Afr. 25: 82-84.
- WHITMANN, W.C. & SIGGEIRSSON, E.I., 1954. A comparison of line interception and point contact methods in the analysis of mixed grassland vegetation. Ecology 35: 431-436.
- WHITMORE, J.S., 1948. Agro-climatology: the scope of its application to South African agriculture. Fmg S. Afr. 23: 293-302.
- WHITMORE, J.S., 1950a. Marginal areas of the Orange Free State. Part 2. Climate and crop production. Fmg S. Afr. 25: 47-52 & 57.

- WHITMORE, J.S., 1950b. The marginal areas of the Orange Free State. Part 3. Climate and the use of the land. *Fmg S. Afr.* 25: 85-89.
- WHITMORE, J.S., 1968a. Effects of catchment management on river flow characteristics. *S. Afr. J. Sci.* 64: 273-279.
- WHITMORE, J.S., 1968b. The relationship between mean annual rainfall and locality and site factors. *S. Afr. J. Sci.* 64: 423-427.
- WHITMORE, J.S., 1971. South Africa's water budget. *S. Afr. J. Sci.* 67: 166-176.
- WICHT, C.L., 1941a. An approach to the study of rainfall interception by forest canopies. *Jl S. Afr. For. Ass. No. 6*, pp. 54-70.
- WICHT, C.L., 1941b. Diurnal fluctuations in Jonkershoek streams due to evaporation and transpiration. *Jl S. Afr. For. Ass. No. 7*, pp. 35-49.
- WICHT, C.L., 1942. Depletion of ground-water flow in Jonkershoek streams. *Jl S. Afr. For. Ass. No. 8*, pp. 50-63.
- WICHT, C.L., 1943. The variability of Jonkershoek streams. *Jl S. Afr. For. Ass. No. 10*, pp. 13-22.
- WICHT, C.L., 1944. Improvements in the gauging of rainfall. *Jl S. Afr. For. Ass. No. 12*, pp. 19-28.
- WICHT, C.L., 1948. Hydrological research in South African forestry. *Jl S. Afr. For. Ass. No. 16*, pp. 4-21.
- WICHT, C.L., 1949. Forestry and water supplies in South Africa. *Bull. Dep. For. Un. S. Afr. No. 33*, pp. 58.
- WICHT, C.L., 1959. The management of water catchments. *Sols afr.* 4: 20-51.
- WICHT, C.L., 1966. Trends in forest hydrological research. *S. Afr. For. J. No. 57*, pp. 17-25.
- WICHT, C.L., 1967. The management of mountain catchments by forestry. *S. Afr. For. J. No. 77*, pp. 6-12.
- WICHT, C.L., 1971. The influence of vegetation in South African mountain catchments on water supplies. *S. Afr. J. Sci.* 67: 201-209.
- WICHT, C.L. & BANKS, C.H., 1963. Die invloed van beheerde brand en bebossing op die wateropbrengs van bergopvanggebiede in die Winterreestreek. *South African Geographer* 2: 23-29.
- WICHT, C.L., MEYBURGH, J.C. & BOUSTEAD, P.G., 1969. Rainfall at the Jonkershoek Forest Hydrological Research Station. *Annale Univ. Stellenbosch serie A* 44,1: 4-66.
- WICHT, M.L., 1960. Brande en byle het Suid-Afrika se fraai boserfenis uitgedun. *Veldtrust* 21,4: 8-9 & 11.
- WIGG, L.T., 1949. Vegetation-soil map of Northern Rhodesia. *Emp. For. Rev.* 28: 43-48.
- WILD, H., 1952. The vegetation of Southern Rhodesia termitaria. *Rhodesia agric. J.* 49: 280-292.
- WILD, H., 1962. Harmful aquatic plants in Africa and Madagascar. *Kirkia* 2: 1-66.
- WILD, H., 1965. The flora of the Great Dyke of Southern Rhodesia with special reference to the serpentine soils. *Kirkia* 5: 49-86.
- WILD, H., 1968. Geobotanical anomalies in Rhodesia. 2. Geobotanical anomalies occurring in graphitic soils. *Port. Acta biol. Ser B* 9: 291-299.
- WILD, H., 1969. Geobotanical anomalies in Rhodesia. 1. The vegetation of copper-bearing soils. *Kirkia* 7: 1-71.
- WILD, H., 1970. Geobotanical anomalies in Rhodesia. 3. The vegetation of nickel-bearing soils. *Kirkia suppl.* 7.
- WILD, H., 1974a. Variations in the serpentine floras of Rhodesia. *Kirkia* 9: 209-232.
- WILD, H., 1974b. Indigenous plants and chromium in Rhodesia. *Kirkia* 9: 233-241.
- WILD, H., 1974c. Geobotanical anomalies in Rhodesia. 4. The vegetation of arsenical soils. *Kirkia* 9: 243-264.
- WILD, H., 1974d. Arsenic tolerant species established on arsenical mine dumps in Rhodesia. *Kirkia* 9: 265-278.
- WILD, H., 1974e. The natural vegetation of gypsum-bearing soils in south central Africa. *Kirkia* 9: 279-292.
- WILD, H., 1975. The uptake of heavy metals by some succulent species of Rhodesian serpentes. *Excelsa* 5: 17-22.
- WILLAN, R. G. M., 1957. Some notes on the cold spell in Nyasaland in August, 1953. *Nyasald J.* 10: 7-10.
- WILLAT, S.T., 1967a. Moisture status in Rhodesian soils prior to the rains. *Rhodesia agric. J.* 64: 4-6.
- WILLAT, S.T., 1967b. The fertility of sandveld soils under continuous cultivation. 3. Changes in physical properties. *Rhod. Zambia & Malawi J. Agric. Res.* 5: 129-131.
- WILTSHIRE, G.H., 1974. Growth of plants on soils from two metalliferous sites in Rhodesia. *J. Ecol.* 62: 501-525.
- WITTMANN, G.T.W. & FORSTNER, U., 1975. Metal environment of sediments in inland waters the Hartbeespoort Dam. *Water S.A.* 1,2: 76-82.
- WOOD, R.A., 1965. Mineralisation studies on virgin and cultivated sugar belt soils. *Proc. 39th Ann. Cong. S. Afr. Sug. Technol. Ass.*, pp. 195-202.
- WOODS, D.B. & MOLL, E.J., 1967. Multivariate analysis of grassland in the Three Rivers area, Natal. *Proc. Grassld Soc. sth. Afr.* 2: 103-111.
- WYNDHAM, C.H., 1972. Environmental problems of man in South Africa. In *Biological research and problems of the environment symposium*, 2-10 July 1972, Johannesburg.
- YOUNG, A., 1970. Concepts of equilibrium, grade and uniformity as applied to slopes. *Geogr. J.* 136: 585-592.
- YOUNG, A. & BROWN, P., 1962. The physical environment of northern Nyasaland. Zomba: Government Printer, pp. 107.
- YOUNG, A. & BROWN, P., 1965. The physical environment of central Malawi with special reference to soils and agriculture. Zomba: Government Printer.
- YOUNG, A. & STEPHEN, I., 1965. Rock weathering and soil formation of high-altitude plateaux of Malawi. *J. Soil Sci.* 16,2: 322-333.
- ZUR STRASSEN, H., 1973. Namib - portrait of a desert. Cape Town: Purnell.

## PALAEOECOLOGY

- ADAMSON, R.S., 1931. Notes on some petrified wood from Banke, Namaqualand. *Trans. R. Soc. S. Afr.* 19: 255-258.
- ADAMSON, R.S. & CURRIN, M.M., 1952. Buried trees on the Cape Flats. *Trans. R. Soc. S. Afr.* 33: 13-23.
- AITKEN, R.D., 1923. The distribution and ecology of the genus *Cussonia* Thunb. with some remarks upon its probable evolutionary history. *Mem. bot. Surv. S. Afr. No. 5*, pp. 56-70.
- ARBER, E.A.N., 1910. A note on the fossil wood from Intombi Camp, Ladysmith. *Ann. Natal Mus.* 2: 233.
- ARCHIBALD, E.E.A., 1948. Plant populations. I. A new application of Neyman's contiguous distribution. *Ann. Bot.* 12: 221-235.
- ATTRIDGE, J., 1963. The Upper Triassic Karroo deposits and fauna of Southern Rhodesia. *S. Afr. J. Sci.* 59: 242-247.
- AUBREVILLE, A., 1975. Essais sur l'origine et l'histoire des Flores tropicales africaines. Application de la theorie des origines polytopiques des Angiospermes tropicales. *Adansonia ser.* 2,15: 31-56.
- AXELROD, D.I., 1970. Mesozoic paleogeography and early Angiosperm history. *Bot. Rev.* 36: 277-319.
- BEWS, J.W., 1922. The south-east African flora: its origin, migrations and evolutionary tendencies. *Ann. Bot.* 36: 209-223.
- BEWS, J.W., 1923. Notes on the evolution of plant growth forms. *S. Afr. J. Sci.* 20: 290-303.
- BEWS, J.W., 1925. Plant forms and their evolution in South Africa. London: Longmans. pp. 408.
- BOND, G., 1964. Pleistocene environments in southern Africa. In Clark Howell, F. & Bouliere, F., *African ecology and human evolution*. London: Methuen.
- BOND, G., 1967. River morphology, stratigraphy and palaeoclimatology in southern Africa. In Bishop, W.W. & Clark, J.D. (eds), *Background to evolution in Africa*, pp. 303-311. Chicago: University of Chicago Press.
- BOTHA, B.J.V. & VISSER, J.N.J., 1970. Fossielboomstamme in die distrik Senekal. *Tydskrif vir Natuurwetenskappe* 10,3: 201-212.
- BREMEKAMP, C.E.B., 1935. Scientific results of the Vernay-Lang Kalahari expedition, March to September, 1930. The origin of the flora of the central Kalahari. *Ann. Transv. Mus.* 16: 443-455.
- BREUIL, H., 1944. The old Palaeolithic Age in relation to Quaternary sea-levels along the southern coast of Africa. *S. Afr. J. Sci.* 41: 361-374.

- BUXBAUM, F., 1948. Zur Klärung der phylogenetischen Stellung der Aizoaceae und Cactaceae im Pflanzenreich. *Sukkulantenkunde* 2: 3-16.
- CLARK, J.D., 1956. Prehistory in Nyasaland. *Nyasaland J.* 9: 92-119.
- CLARK, J.D., 1969. Digging for history. *Soc. Malawi J.* 22: 52-64.
- CLARK, J.D. & VAN ZINDEREN BAKKER, E.M., 1964. Prehistoric culture and Pleistocene vegetation at the Kalambo Falls, Northern Rhodesia. *Nature, Lond.* 201: 971-975.
- COETZEE, J.A. & VAN ZINDEREN BAKKER, E.M. (Sr), 1952. The pollen spectrum of the southern middle veld of the Orange Free State. *S. Afr. J. Sci.* 48: 275-281.
- COETZEE, J.A. & VAN ZINDEREN BAKKER, E.M. (Sr), 1970. Palaeoecological problems of the quaternary of Africa. *S. Afr. J. Sci.* 66: 78-84.
- COOKE, H.B.S., 1957. Observations relating to quaternary environments in east and southern Africa. *Geol. Soc. S. Afr. suppl.* 60.
- COOKE, H.B.S., 1962. The Pleistocene environment in Southern Africa. Hypothetical vegetation in Southern Africa during the Pleistocene. *Ann. Cape Prov. Mus.* 2: 11-15.
- COOKE, H.B.S., 1964. The Pleistocene environment in southern Africa. In Davis, D.H.S. (ed.), *Ecological studies in southern Africa*, pp. 1-23. The Hague: Junk.
- CORNELL, M.A.M., 1932. On the Natal Acacias. A study of their anatomy and the correlation between the anatomy and distribution of the various species. M.Sc. thesis, University of South Africa.
- DAHLGREN, R., 1968. Distribution and substrate in the South African genus *Aspalathus* L. (Leguminosae). *Bot. Notiser* 121: 505-534.
- DAVIES, O., 1970. Pleistocene beaches of Natal. *Ann. Natal Mus.* 20: 403-442.
- DAVIES, O., 1972a. Pleistocene shorelines in the southern and south-eastern Cape Province (Part 1). *Ann. Natal Mus.* 21: 183-223.
- DAVIES, O., 1972b. Pleistocene shorelines in the southern and south-eastern Cape Province (Part 2). *Ann. Natal Mus.* 21: 225-279.
- DAVIES, O., 1973. Pleistocene shorelines in the Western Cape and South-West Africa. *Ann. Natal Mus.* 21: 719-765.
- DU TOIT, A.L., 1927. The fossil flora of the upper Karoo beds. *Ann. S. Afr. Mus.* 22: 289-420.
- DU TOIT, A.L., 1932. Some fossil plants from the Karoo System of South Africa. *Ann. S. Afr. Mus.* 28: 369-393.
- DYER, R.A., 1966. Impressions on the subject of the age and origin of the Cape Flora. *S. Afr. J. Sci.* 62: 187-190.
- ENGLER, A., 1882. Versuch einer Entwicklungsgeschichte der Extratropischen florengebiete der Südlichen Hemisphäre und der Tropischen Gebiete. Leipzig: Engelmann. pp. 386.
- ENGLER, A., 1904. Plants of the northern temperate zone in their transition to the high mountains of tropical Africa. *Ann. Bot.* 18: 523-540.
- ERASMUS, T., 1971. 'n Inleidende studie tot die paleoxilonomie in Suid Afrika met verwysing na *Dadoxylon* Endlicher en *Dammoxylon* Schultze-Motel uit die mesosoïkum van Zoeloland, Natal. M.Sc. thesis, University of Pretoria.
- FAGAN, B.M., 1965. Southern Africa during the Iron Age. London: Thames & Hudson.
- FLINT, R.F., 1959. Pleistocene climates in eastern and southern Africa. *Bull. geol. Soc. Am.* 70: 343-374.
- GOOSSENS, A.P., 1934a. A note on the floral evolutionary tendencies, differentiation and distribution of the South African Labiatae. *Trans. R. Soc. S. Afr.* 21: 245-257.
- GRISEBACH, A., 1866. De Vegetation - Geboete der Erde übersichtlich zusammengestellt. Petermanns Mitt. 12: 45-53.
- GUTHRIE, F., 1893. On the subjective causes of evolution as illustrated by the geographical distribution of plants. *Trans. S. Afr. phil. Soc.* 5: 275-294.
- HALL, A.V., 1969. Prospects for using botanical fossils as a guide to quaternary environments in the South-West Cape. *S. Afr. Archaeol. Bull.* 95/96: 144-148.
- HARPER, G., 1969. Periglacial evidence in southern Africa during the Pleistocene Epoch. In Van Zinderen Bakker, E. M. (ed.), *Palaeoecology of Africa*, pp. 71-101. Cape Town: Balkema.
- HENNING, A.C. & WHITE, R.E., 1974. A study of the growth and distribution of *Colophospermum mopane* (Kirk ex Benth.), Kirk ex Leon. the interaction of nitrogen, phosphorus and soil moisture stress. *Proc. Grassld Soc. sth. Afr.* 9: 53-59.
- HOWELL, F.C. & BOULIERE, F., 1964. African ecology and human evolution. London: Methuen. pp. 666.
- IRMSCHER, E., 1922. Pflanzenverbreitung und entwicklung der kontinente. *Mitt. Inst. allg. Bot., Hamb.* 5: 17-235.
- IRMSCHER, E., 1929. Pflanzenverbreitung und entwicklung der kontinente. *Mitt. Inst. allg. Bot., Hamb.* 8: 169-374.
- JANSE VAN VUUREN, D.R., 1961. 'n Ekologiese studie van die plantegroei van 'n noordelike en suidelike kloof van die Magaliesberge. M.Sc. thesis, University of Pretoria. pp. 254.
- KING, L.C., 1958. Basic palaeogeography of Gondwanaland during the late Palaeozoic and Mesozoic eras. *Q. J. geol. Soc. Lond.* 114: 47-70.
- LACEY, W.S., VAN DIJK, D.E. & GORDON-GRAY, K.D., 1975. Fossil plants from the Upper Permian in the Mooi River district of Natal, South Africa. *Ann. Natal Mus.* 22: 349-420.
- LAWTON, R.M., 1963. Palaeoecological and ecological studies in the Northern Province of Northern Rhodesia. *Kirkia* 3: 46-77.
- LEVYNS, M.R., 1930. Floral evolution and geographical distribution in *Lobostemon*. *S. Afr. J. Sci.* 27: 317-322.
- LEVYNS, M.R., 1936. The flora of the Cape Mountains: its distribution and origins. *J. Mount. Club S. Afr. No.* 39, pp. 16-22.
- LEVYNS, M.R., 1938a. Some evidence bearing on the past history of the Cape flora. *Trans. R. Soc. S. Afr.* 26: 401-424.
- LEVYNS, M.R., 1938b. The Little Karoo and its mountains: some botanical clues to the past. *J. Mount. Club S. Afr. No.* 41, pp. 33-36.
- LEVYNS, M.R., 1952. Clues to the past in the Cape flora of today. *S. Afr. J. Sci.* 49: 155-164.
- LEVYNS, M.R., 1962a. Past plant migrations in South Africa. *Ann. Cape. Prov. Mus.* 2: 7-10.
- LEVYNS, M.R., 1962b. Possible Antarctic elements in the South African flora. *S. Afr. J. Sci.* 58: 237-241.
- LEVYNS, M.R., 1963. The origins of the flora of South Africa. *Lantern* 13.1: 17-21.
- LEVYNS, M.R., 1964. Migrations and origins of the Cape flora. *Trans. R. Soc. S. Afr.* 37: 85-107.
- LIVINGSTONE, D.A., 1971. A 22 000-year pollen record from the plateau of Zambia. *Limnol. Oceanogr.* 16: 349-356.
- MARTIN, A.R.H., 1962. Evidence relating to the Quaternary history of the Wilderness Lakes. *Trans. geol. Soc. S. Afr.* 65: 19.
- MAUD, R.R., 1968. Quaternary geomorphology and soil formation in coastal Natal. *Ann. Geomorphol.* 7: 155-199.
- MOREAU, R.E., 1952. Africa since the Mesozoic with particular reference to certain biological problems. *Proc. zool. Soc. Lond.* 121: 869-913.
- PALACKY, J., 1906. Zur Genesis der afrikanischen flora. *Bot. Jb.* 37.3: 1-2.
- PHILLIPS, J.F.V., 1927. Fossil *Widdringtonia* in lignite of the Knysna series, with a note on fossil leaves of several other species. *S. Afr. J. Sci.* 24: 188-197.
- PHLEGER, F.D., 1975. Holocene ecology of St Lucia Lagoon, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- PLUMSTEAD, E.P., 1963. The influence of plants and environment on the developing animal life of Karroo times. *S. Afr. J. Sci.* 59: 147-152.
- PLUMSTEAD, E.P., 1969. Three thousand million years of plant life in Africa. Alex L. du Toit Memorial Lectures No.11. *Trans. Proc. Geol. Soc. S. Afr. annex.* pp. 72.
- PLUMSTEAD, E.P., 1974. Trees of the distant and more recent past in South Africa. *S. Afr. For. J. No.* 88, pp. 1-5.
- POLDERVAART, A., 1955. Kalahari Sands. Third Pan-African Congress on Prehistory, pp. 106-114.

- RAVEN, P.H., 1972. Plant species disjunctions: a summary. *Ann. Mo. bot. Gdn* 59: 234-246.
- RENNIE, J.V.L. & MOUNTAIN, E.D., 1942. Fossil flora of the Witteberg Series. *Trans. R. Soc. S. Afr.* 29: 59-61.
- RODIN, R.J., 1951. Petrified forest in South West Africa. *J. Paleont.* 25: 18-20.
- ROGERS, A.W., 1922. Post-cretaceous climates in South Africa. *S. Afr. J. Sci.* 19: 1-31.
- SCHONLAND, S., 1907. A study of some of the facts and theories bearing upon the question of the origin of the Angiospermous flora of South Africa. *Trans. S. Afr. phil. Soc.* 18: 321-367.
- SCHONLAND, S., 1908. The origin of the flora of South Africa. *Rep. S. Afr. Ass. Advmt Sci.* 5: 105-109.
- SCHONLAND, S., 1909. A study of some facts and theories bearing upon the question of the origin of the Angiospermous flora of South Africa. *S. Afr. J. Sci.* 17: 51-64.
- SCHWARZ, E.H.L., 1906. South African palaeozoic fossils. *Rec. Albany Mus.* 1: 347-404.
- SEWARD, A.C., 1903. Fossil flora of Cape Colony. *Ann. S. Afr. Mus.* 4: 1-122.
- SEWARD, A.C., 1908. On a collection of fossil plants from South Africa. *Q. Jl geol. Soc. Lond.* 64: 83-108.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1953. South African pollen grains and spores. Part 1. Cape Town: Balkema. pp. 88.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1956. South African pollen grains and spores. Part 2. Cape Town: Balkema.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1962. Botanical evidence for quaternary climates in Africa. *Ann. Cape Prov. Mus.* 2: 16-31.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1963. Palaeobotanical studies. *S. Afr. J. Sci.* 59: 332-340.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1964. Pollen analysis and its contribution to the palaeoecology of the Pleistocene in southern Africa. In Davis, D.H.S. (ed.), *Ecological studies in southern Africa*, pp. 24-34. The Hague: Junk.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1966. Palynology in Africa. 6th, 7th and 8th reports. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa 1: 5-220*. Cape Town: Balkema.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1967. Upper Pleistocene and Holocene stratigraphy and ecology on the basis of vegetation changes in sub-Saharan Africa. In Bishop, W.W. & Clark, J.D.(eds), *Background to evolution in Africa*, pp. 125-146. Chicago: University of Chicago.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1969a. Intimations on Quaternary palaeoecology of Africa. *Acta Bot. neerl.* 18: 230-239.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1969b. Quaternary pollen analytical study in the southern hemisphere with special reference to the sub-Antarctic. In Van Zinderen Bakker, E.M.(ed.), *Palaeoecology of Africa 5: 175- 212*. Cape Town: Balkema.
- VAN ZINDEREN BAKKER, E.M. (Sr), 1975. The origin and palaeoenvironment of the Namib Desert biome. *J. Biogeogr.* 2: 65-73.
- VAN ZINDEREN BAKKER, E.M. (Sr) & BUTZER, K.W., 1973. Quaternary environmental changes in Southern Africa. *Soil Sci.* 116: 236-248.
- VAN ZINDEREN BAKKER, E.M. (Sr) & COETZEE, J.A., 1959. South African pollen grains and spores. Part 3. Cape Town: Balkema.
- VON BROEMSEN, H.H., 1962. Population pattern in plant communities. M.Sc. thesis, University of the Witwatersrand.
- WALKER, P.H., 1934. Fossil flora and the progression of the tropics. *S. Afr. J. Sci.* 31: 238-239.
- WALTON, J., 1925. On South African fossil woods. *Ann. S. Afr. Mus.* 22: 1-26.
- WELLS, M.J., 1965. An analysis of plant remains from Scott's Cave in the Gamtoos Valley. *S. Afr. Archeol. Bull.* 78: 79-84.
- WELLS, M.J., 1970. Plant remains from Amanzi Spring. *Ann. Cape Prov. Mus.* 8: 191-194.
- WELMAN, W.G., 1970. The South African fern spores. In Van Zinderen Bakker, E.M.(Sr)(ed.), *South African pollen grains and spores 4: 1-110*. Cape Town: Balkema.
- WHERRY, E.T., 1944. A classification of endemic plants. *Ecology* 25: 247-248.

## PHYSIOGNOMY

- ANON., 1975a. Mapelane...die hoogste bewoude duine ter wereld. *Afr. wild Life* 29,1: 12-13.
- ANON., 1975b. A description of the savanna ecosystem project, Nylsvley, South Africa. South African National Scientific Programmes Report 1, National Scientific Programmes Unit, CSIR, Pretoria, pp. 24.
- ARCHIBALD, E.E.A., 1949. The specific character of plant communities. 1. Herbaceous communities. *J. Ecol.* 37: 260-273.
- AUBREVILLE, A., 1949. Climats, Forêts et desertification de l'Afrique tropicale. Paris: Societe d'Editions Geographiques Maritimes et.
- AUBREVILLE, A., 1957. Accord a Yangambi sur la Nomenclature des Types. Africains de Vegetation. Bois Forêts Trop. 51.
- AUBREVILLE, A., 1963. Definitions physionomiques, structurales et ecologiques des forets claires en Afrique. CSA/CCTA Publs. No. 52, pp. 81-87.
- AUBREVILLE, A., 1965a. Principes d'une systematique des formations vegetales tropicales. *Adansonia* 5,2: 153-196.
- AUBREVILLE, A., 1965b. Conceptions modernes en bioclimatologie en classification des formations vegetales. *Adansonia* 5,3: 297-306.
- BALL, R.S., 1940. South African grassland investigations. *E. Afr. agric. J.* 5: 146-151 & 221-224.
- BARRETO, L.S., 1964. African open forest. *Gazeta Agric. Mocamb.* 16,179: 98-108.
- BAYER, A.W., 1952. Notes on the vegetation of Natal. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 1,7: 2-5.
- BAYER, A.W., 1953a. Notes on the vegetation of Natal. Mangrove forest. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 2,1: 8-11.
- BAYER, A.W., 1953b. Notes on the vegetation of Natal. Evergreen scrub and tree veld. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 2,2: 19-21.
- BAYER, A.W., 1954. Notes on the vegetation of Natal. Swamp Forest. *Bull. Natal Soc. Preserv. wild Life nat. Resorts* 2,3: 22-24.
- BEWS, J.W., 1926a. The study of forest vegetation in South Africa. In Tansley, A.G. & Chipp, T.F., *Aims and methods in the study of vegetation*, pp. 314-317. London: British Empire Vegetation Committee.
- BEWS, J.W., 1926b. Survey of climatic grasslands, based on experience in South Africa. In Tansley, A.G. & Chipp, T.F., *Aims and methods in the study of vegetation*, pp. 341-348. London: British Empire Vegetation Committee.
- BRAINE, C.D.H., 1908. Influence of forests on natural water-supply. *Rep. S. Afr. Ass. Advmt Sci.* 1908: 111-133.
- BROADLEY, D.G., 1974. The Lusitu Forest. *Wild Rhodesia* 3: 17.
- BROCKINGTON, N.R., 1960. Studies of the growth of a *Hyparrhenia*-dominant grassland in Northern Rhodesia. Part 1 and 2. *J. Brit. Grassld Soc.* 15,4: 323-338.
- BROCKINGTON, N.R., 1961. Studies of the growth of a *Hyparrhenia*-dominant grassland in Northern Rhodesia. Part 2 & 3. *J. Brit. Grassld Soc.* 16,1: 54-64.
- BROWN, J.C., 1877. Forest and moisture: on effects of forests on humidity of climate. Edinburgh: Oliver & Boyd.
- BROWN, J.C., 1881. Forests in South Africa. *Trans. R. Scott. arboric. Soc.* 9: 45-52.
- BURGER, G., 1969. The Woodbush Forest Reserve. *Trees S. Afr.* 21,4: 90-98.
- BURTT DAVY, J., 1928. Notes on the forest flora of Northern Rhodesia. *Emp. For. J.* 7,2: 255-261.
- BURTT DAVY, J., 1935. A sketch of the forest vegetation and flora of tropical Africa. *Emp. For. J.* 14: 191-201.
- BURTT DAVY, J., 1938. The classification of tropical woody

- vegetation types. Imperial Forestry Institute Paper 13, pp. 85.
- CARDEW, F., 1891. Report on the forests of Zululand. Colon. Rep. misc. Ser. 2: 25.
- CHALK, L., CHATTAWAY, M.M., BURTT DAVY, J., LAUGHTON, F.S., SCOTT, M.H., 1935. Fifteen South African high forest timber trees. Oxford: Clarendon Press.
- CHAPMAN, J.D. & WHITE, F., 1970. The evergreen forests of Malawi. Oxford: Commonwealth Forestry Institute. pp. 190.
- CLEMENTS, J.B., 1926. Protection forests in Nyasaland. Emp. For. J. 6: 211-217.
- COETZEE, B. J., 1973a. Evaluation of ERTS-I data for a plant ecological survey of the northern Transvaal Bushveld (Test Site A). In Malan, O. G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 38, type 2 report for period July 1972 to Jan. 1973, CSIR, Pretoria, pp. 19-25.
- COETZEE, B.J., 1973b. Evaluation of ERTS-I data for a plant ecological survey of the northern Transvaal Bushveld. In Malan, O. G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 12-14.
- COETZEE, J.A., PAGE, M.I. & MEREDITH, D., 1945. Root studies in Highveld grassland communities. S. Afr. J. Sci. 42: 105-118.
- COETZEE, J.J., 1971. Die landbou potensiaal van die noordwes-Transvaalse soetbosveld. D.Sc. thesis, University of Pretoria.
- COLE, M.M., 1963a. Vegetation and geomorphology in Northern Rhodesia: an aspect of the savanna of central Africa. Geogr. J. 129: 290-310.
- COLE, M.M., 1963b. Vegetation nomenclature and classification with particular reference to the Savannas. S. Afr. geogr. J. 45: 3-14.
- DAUBENMIRE, R., 1968. Ecology of fire in grasslands. Adv. ecol. Res. 5: 209-266.
- DAVIDSON, R.L., BRYNARD, A.M., GILLARD, P., LECATSAS, G. & LEIGH, J., 1961. Veld burning. (c) Calibration of the belt transect method in *Combretum* woodland in the Kruger National Park. Koedoe 4: 31-44.
- EBERSOHN, J.D., 1962. Ecology of xerophyte savannah. Ph.D. thesis, University of the Witwatersrand.
- EDWARDS, D., 1972a. Comment on paper. Grunow, J.O., Research relating to the management of South African grassland ecosystems. In Symposium on biological research and problems of the environment, 6 July 1972, Johannesburg pp. 51-53.
- EDWARDS, D., 1972b. Remote sensing in the evaluation of the natural vegetation resources of South Africa. In Proceedings of the symposium on remote sensing, 3-5 May 1972, pp. 99-102. Pretoria.
- EDWARDS, D., 1972c. Botanical survey and agriculture. Proc. Grassld Soc. sth. Afr. 7: 15-19.
- EDWARDS, D., 1973. An assessment of ERTS-I imagery for detecting vegetation patterns in the central Tugela River catchment area of Natal, South Africa. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale, CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 38-47.
- ELLENBERG, H. & MUELLER-DOMBOIS, D., 1967. Tentative physiognomic-ecological classification of plant formations of the earth. Ber. geobot. Forsch. Inst. Rubel 37: 21-55.
- ELOFF, F.G., 1964. Aspekke van ekologiese navorsing in woestyn. J. S. Afr. biol. Soc. 5: 25-26.
- ENDEAN, F., 1967. The productivity of 'Miombo' Woodland in Zambia. Forestry Research Bulletin, Zambia 14.
- ENGELBRECHT, C.J., 1969. Soil survey of George area. M.Sc. (Agric.)
- ERNST, W., 1971. Zur ökologie der Miombo-Walder. Flora, Jena 160: 317-331.
- ERNST, W., 1975. Variation in the mineral contents of leaves of trees in miombo woodland in south central Africa. J. Ecol. 63: 801-807.
- ERNST, W. & WALKER, B.H., 1973. Studies on the hydrature of trees in miombo woodland in south central Africa. J. Ecol. 61: 667-673.
- FANSHAW, D.B., 1961. Evergreen forest relics in Northern Rhodesia. Kirkia 1: 20-24.
- FANSHAW, D.B., 1962a. Mukusi Forest on Sandstone Hills. For. Newsl. Nth. Rhod. 81: 28.
- FANSHAW, D.B., 1962b. Riparian *Baikiaea*. For. Newsl. Nth. Rhod. 83: 9-10.
- FANSHAW, D.B., 1962c. The mystery of the teak forests. For. Newsl. Nth. Rhod. 84: 19-20.
- FANSHAW, D.B., 1963a. Floristic Composition of Miombo Woodland. CCTA/CSA Publs No. 52, pp. 55-57.
- FANSHAW, D.B., 1963b. Succession in Mukusi forests in Sesheke and Senanga. For. Newsl. Nth. Rhod. 88: 7-8.
- FANSHAW, D.B., 1964. *Baikiaea* forest relics. For. Newsl. Zambia 97: 10.
- FISHER, H.S., 1932. An ecological study of a thornveld area with special reference to aspect. M.Sc. thesis, University of South Africa.
- FOURCADE, H.G., 1889. Report on the Natal forests. Pietermaritzburg: Government Printer. pp. 197.
- FOURIE, J.H., 1974. 'n Vergelykende studie van drie veld-tipes in Noord-Kaapland. M.Sc. (Agric.) thesis, University of the Orange Free State.
- GETZ, W. M. & STARFIELD, A. M., 1975. Sensitivity analysis of a sample linear model of savanna ecosystem at Nylsvley. South African National Scientific Programmes Report 2, National Scientific Programmes Unit, CSIR, Pretoria.
- GLOVER, P.E. & VAN RENSBURG, H.J., 1938. A contribution to the ecology of the highveld grassland at Frankenwald, in relation to grazing and burning. S. Afr. J. Sci. 35: 274-279.
- GOMES E SOUSA, A. DE F., 1959. The forests of Inhanga. S. Afr. J. Sci. 55: 122.
- GOOSSENS, A.P., 1934. Die grasse en grasvelde van die Oranje-Vrystaat. Ph.D. thesis, University of South Africa.
- GOSSWEILER, J. & MENDONCA, F.A., 1941. The grasslands of Angola. Herb Abstr. suppl. 11:4: pp. 61-65.
- GRIFFITH, A.L., 1961. Les Forêts claires Seches d'Afrique au Sud du Sahara. Unasylva 15,1.
- GRUNOW, J. O., 1972. Research relating to the management of South African grassland ecosystems. Proceedings of the Biological research and problems of the environment symposium 2-10 July 1972, Pretoria, pp. 37-50.
- GRUNOW, J.O., 1973. Research relating to the management of South African grassland ecosystems. S. Afr. J. Sci. 69: 54-56.
- GRUNOW, J.O. & LANCE, G.N., 1968. Nodal analysis in the sour-mixed bushveld of Transvaal. S. Afr. J. agric. Sci. 11: 53-63.
- GRUNOW, J.O. & LANCE, G.N., 1969. Classification of savanna by information analysis. S. Afr. J. Sci. 65: 341-348.
- GUERREIRO, M.G., 1966. African forests and biotic factors. Preliminary observations on an investigation in Mozambique. Luanda: Instituto de Investigacao Cientifica de Angola. pp. 174.
- HALL-MARTIN, A.J., 1975. Classification and ordination of forest and thicket vegetation of the Sengwe National Park, Malawi. Kirkia, 10: 131-181.
- HANSON, H.C., 1938. Ecology of the grassland. Bot. Rev. 4: 51-82.
- HANSON, H.C., 1950. Ecology of the grassland.2. Bot. Rev. 16: 283-360.
- HAVENGA, M.C.G., 1970. The role of organic matter in the production ecology of grassveld. M.Sc. (Agric.) thesis, University of Pretoria.
- HENKEL, J.S., 1913. The indigenous high forest situated in the divisions of George, Knysna and Humansdorp, Cape Province. S. Afr. J. Sci. 9: 68-76.
- HENKEL, J.S., 1917. Forest progress in the Drakensberg. S. Afr. J. Sci. 13: 179-186.
- HENRICI, M., 1943. Transpiration of grasses in the sour mountain grassveld of the Drakensberg in comparison with the water loss of indigenous forests. S. Afr. J. Sci. 39: 155-163.
- HERBST, S.N. & ROBERTS, B.R., 1974. Quantitative ecological relationships in the alpine grassland of Lesotho. Proc. Grassld Soc. sth. Afr. 9: 61-66.

- HEYNS, A.J., 1957. Flora fenologie en regenerasie van 'n inheemse woudgemeenskap naby Stellenbosch. *Jl S. Afr. Bot.* 23: 111-120.
- HIRST, S. M., 1975a. Savanna ecosystem project - Progress Report 1974/75. South African National Scientific Programmes Report 3, National Scientific Programmes Unit, CSIR, Pretoria, pp. 27.
- HIRST, S.M., 1975b. Ungulate-habitat relationships in a South African woodland/Savanna ecosystem. *Wildl. Monogr.* 44: 1-60.
- HOPKINS, B., 1965. Forest and savanna. London: Heinemann.
- HUNTLEY, B.J., 1965. A preliminary account of the Ngoye Forest Reserve, Zululand. *Jl S. Afr. Bot.* 31: 177-205.
- HURSH, C.R., 1963. Composition of the tropical dry forests of Nysaland. CSA/CCTA Pubs No. 52, pp. 49-53.
- HUTCHINS, D.E., 1892. The forests of Natal. *Indian Forester* 18: 205-214 & 245-253.
- HUTCHINS, D.E., 1894. Forestry and silviculture. *Indian Forester* 20: 368-380.
- HUTCHINS, D.E., 1898. National forests. *Agric. J. Cape G.H.* 13: 528-541.
- HUTCHINS, D.E., 1900. Cape national forests. *Trans. S. Afr. phil. Soc.* 11 53-66.
- HUTCHINS, D.E., 1903a. Some aspects of South African forestry. *Rep. S. Afr. Ass. Advmt Sci.* 1: 354-361.
- HUTCHINS, D.E., 1903b. Transvaal forest report. Pretoria: Government Printer, pp. 136.
- HUTCHINS, D.E., 1904. Indigenous timbers of the Cape. *Agric. J. Cape G.H.* 24: 224-226.
- HUTCHINS, D.E., 1905. The indigenous forests of South Africa. *Rep. Br. & S. Afr. Ass. Advmt Sci.* 1:319-334.
- JACKSON, G., 1968. The vegetation of Malawi. 2. The *Brachystegia* woodlands. 10. The *Brachystegia* with evergreen understory. *Soc. Malawi J.* 21: 11-19.
- JACKSON, G., 1969. The grasslands of Malawi. *Soc. Malawi J.* 22: 7-17, 18-25 & 73-81.
- JARMAN, N.G., 1973a. An investigation into the boundaries of the evergreen forest and other vegetation types of the eastern Cape. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 61-72.
- JARMAN, N.G., 1973b. An investigation into the position of the evergreen forests and other vegetation of the eastern Cape. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 14-23.
- JARMAN, P.J., 1971. Diets of large mammals in the woodlands around Lake Kariba, Rhodesia. *Oecologia* 8: 157-178.
- KENNAN, T.C.D. & BARNES, D.L., 1973. The development of semi-arid bushveld to its full potential. 4. Rhodesia. *Proc. Grassld Soc. sth. Afr.* 8: 147-148.
- KILLICK, D.J.B., 1963. Our five types of vegetation. *Fmg S. Afr.* 39, 7: 14-16 & 65.
- KING, N.L., 1940. The Manubi forest. *Jl S. Afr. For. Ass.* No. 4, pp. 24-29.
- KING, N.L., 1941. The exploitation of the indigenous forests of South Africa. *Jl S. Afr. For. Ass.* No. 6, pp. 26-48.
- KLINTWORTH, H., 1948. Desert encroachment over the Karoo. *Fmg S. Afr.* 23: 723-728.
- KNAPP, R., 1966. African forests and dry grassland communities in the regions of the Zambezi and Umzingwani. *Geobot. Mitt., Giessen* 40: 205-226.
- KNOBLAUCH, E., 1896. Oecologische anatomie der holzpflanzen der Sudafrikanischen immergrun en buschregion. Tübingen. pp. 44.
- KOKOT, D.F., 1966. Desert encroachment. *Veldtrust* 27, 10: 11, 13 & 25.
- KOPP, A., 1937. Les Paturages naturels dans l'Union Sud Africaine. *Revue Bot. appl. Agric. trop.* 17: 523-526.
- LAWTON, R.M., 1964. The ecology of the *Marquisia acuminata* (Gilg) R.E.Fr. evergreen forests and the related chipya vegetation types of north-east Rhodesia. *J. Ecol.* 52: 467-479.
- LAWTON, R.M., 1967. The conservation and management of the riparian evergreen forests of Zambia. *Emp. For. Rev.* 46: 223-232.
- LAWTON, R.M., 1972. An ecological study of miombo and chipya woodland with particular reference to Zambia. Ph.D. thesis, Oxford University.
- LEMON, P.C., 1968. Effects of fire on an African plateau grassland. *Ecology* 49: 316-322.
- LOMBAARD, H.D., 1971. 'n Ekologiese studie van aspekte van die generatiewe voortplanting van *Protea mellifera* en *Protea pulchella*. M.Sc. thesis, University of Stellenbosch.
- LOUW, A.J., 1973. Botaniese veranderinge in 'n beskermde perseel op rooi kleigrond te Toowoomba-navorsingstasie. *Agroplantae* 5,2: 55-56.
- MALAISSIE, F.P., 1974. Phenology of the Zambeian woodland area with emphasis on the miombo ecosystem. In Leith, H. (ed.), Phenology and seasonality modelling. New York: Chapman & Hall.
- MARLOTH, R., 1906. The phytogeographic subdivisions of South Africa. *Rep. Br. Ass. Advmt Sci.* 4: 589-590.
- MARLOTH, R., 1909. The plant formations of the Cape Province. *S. Afr. J. Sci.* 6: 246-251.
- MARTIN, J.D., 1932. The makushi forests of Northern Rhodesia. *Bull. Dep. Agric. Nth. Rhod.* 2: 71-76.
- MARTIN, J.D., 1940. The *Baikiaea* Forests of Northern Rhodesia. *Emp. For. J.* 19: 8-18.
- MEGGARS, B.J., AYENSU, E.S. & DUCKWORTH, W.D., (eds), 1973. Tropical forest ecosystems in Africa and South America: a comparative review. Washington Smithsonian Institution. pp. 350.
- MEREDITH, D. (ed.), 1955. The grasses and pastures of South Africa. Johannesburg: Central News Agency. pp. 757.
- MEREDITH, D. & ROSE, C.J., 1955. Grasslands in South African agriculture. In Meredith, D. (ed.), The grasses and pastures of South Africa 2: 531-538. Johannesburg: Central News Agency.
- MICHELMORE, A.P.G., 1939. Observations on tropical African grasslands. *J. Ecol.* 27: 282-312.
- MILLER, O.B., 1922. Notes on the distribution of species in natural forests of the Transkeian Conservancy. *S. Afr. J. nat. Hist.* 3: 20-23.
- MILLER, O.B., 1939. The Mukusi forest of Bechuanaland Protectorate. *Emp. For. J.* 18: 193-201.
- MILLER, O.B., 1948. Check-list of the forest trees and shrubs of the British Empire. No. 6. Bechuanaland Protectorate. Oxford: Scrivener Press. pp. 77.
- MILLER, O.B., 1952. The woody plants of the Bechuanaland Protectorate. *Jl S. Afr. Bot.* 18: 1-100.
- MILLER, O.B., 1953. Addenda et corrigenda to the woody plants of the Bechuanaland Protectorate. *Jl S. Afr. Bot.* 19: 177-182.
- MILLER, P.M., 1966. An objective survey of plant communities in four catchments in the Highland Sourveld. M.Sc. (Agric.) thesis, University of Natal.
- MILLER, P.M. & BOOYSEN, P. DE V., 1968. The delineation of plant communities in relatively homogeneous grassland. *Proc. Grassld Soc. sth. Afr.* 3: 43-50.
- MILLS, W., 1955. Grasveld-sege in Amatolaberge. *Veldtrust* 5,6: 8-9.
- MOLL, E.J., 1967. "Morton Bush", superb remnant of Karkloof. *Natal Wildlife* 8:2-3.
- MOLL, E.J., 1968. An account of the plant ecology of the Hawaan Forest. *Jl S. Afr. Bot.* 34: 61-76.
- MOLL, E.J., 1972. The current status of mistbelt mixed *Podocarpus* forest in Natal. *Bothalia* 10: 595-598.
- MOLL, E.J. & COOPER, K.H., 1966. Hlogwene Forest, report by the Natal fieldwork section. *Afr. wild Life* 20: 321-326.
- MOLL, E.J. & COOPER, K.H., 1968. Notes on an area of the Karkloof Forest, Natal. *Afr. wild Life* 22: 49-57.
- MOLL, E.J. & HAIGH, H., 1966. A report on the Xumeni Forest. *For. S. Afr.* 7: 99-108.
- MOLL, E.J. & WOODS, D.B., 1971. The rate of forest tree growth and a forest ordination at Xumeni, Natal. *Bothalia* 10: 451-460.
- MONTEIRO, R.F.R., 1961. Panorama forestier de L'Angola. *Bois Forests Trop.* 75.
- MONTEIRO, R.F.R., 1962. Le Massif Forestier du Mayombe Angolas. *Bois Forests Trop.* 82.
- MONTEIRO, R.F.R., 1965a. Relationship between the forests of the Mayombe and the Dembos. An outline of the principal factors. *Bol. Inst. Invest. Cient. Angola* 1: 257-265.

- MONTEIRO, R.F.R., 1965b. The forests of the Dembos region. Bol. Inst. Invest. Cient. Angola 2: 71-81.
- MORRIS, J.W. & MULLER, P.J., 1970. Seasonal variation of grassland basal cover. Proc. Grassld Soc. sth. Afr. 5: 145-152.
- MYRE, M., 1962. A grassland type of the south of the Mocambique province. In Comptes Rendus de la 4e Reunion Pleniére de L'association pour L'etude Taxonomique de la Flore d' Afrique Tropicale (AETFAT) 16-23 Sept. 1960. Libonne et Coimbre.
- MYRE, M., 1970. An invasao dos arbustos nas areas de pastagens Primeiras observacoes de uma experiencia em curso. Agronomia Mocamb. 4.2: 115-138.
- NICHOLAS, G.W., 1952. The answer to desert encroachment. Farmer's Weekly, Bloemfontein, 25 June 1952. pp.14-17.
- NOLDE, I., 1938. Probeflachen verschiedener Savannenformationen in Hochland von Quela in Angola. Notizbl. bot. Gart. Mus. Berl. 14: 298-311.
- NOLDE, I., 1940. Beobachtungen uber laubfall und lauberneuerung an tropischen Baumen un Hochland von Quela (Angola). Bot. Jb. 71: 233-248.
- PAPENDORF, M.C., 1945. Fisiologies-ekologiese studies in verband met die plant-suksessie in die Suid-Afrikaanse mesofitiese grasveld. Ph.D. thesis, Potchefstroom University for CHE.
- PHILLIPS, J.F.V., 1921. The Alexandria forests. S. Afr. Gdng Country Life 11: 217, 219, 257-258 & 276.
- PHILLIPS, J.F.V., 1926a. General biology of the flowers, fruits and young regeneration of the more important species of the Knysna forests: a summary of preliminary studies. S. Afr. J. Sci. 23: 366-417.
- PHILLIPS, J.F.V., 1926b. Phytometry in the Knysna forests. Yb. Carnegie Instn Wash. 25: 346-347.
- PHILLIPS, J.F.V., 1927. Succession and forest types in the Knysna region. Yb. Carnegie Instn Wash. 26: 330-331.
- PHILLIPS, J.F.V., 1928a. Influence of forest formation upon soil moisture. Nature, Lond. 122: 53.
- PHILLIPS, J.F.V., 1928b. The principal forest types in the Knysna region - an outline. S. Afr. J. Sci. 25: 188-201.
- PHILLIPS, J.F.V., 1931. Forest succession and ecology in the Knysna region. Mem. bot. Surv. S. Afr. No. 14, pp. 327.
- PHILLIPS, J.F.V., 1935. Some problems presented by South African grasses and grass communities. Jl S. Afr. Bot. 1: 47-63.
- PHILLIPS, J.F.V., 1971. Physiognomic classification of the more common vegetation types in South Africa, including Mocambique. Johannesburg: Loxton & Hunting.
- PILGER, R., 1913. Die Grasvegetation der Farm Okainapuro in Deutsch-Sudwest-Afrika. Notizb. Gart. Mus. Berl. 6: 70-71.
- PILGER, R., 1954. Beitrage zur Flora von Sudwest-afrika. 1. Gramineae. Willdenowia 1: 199-274.
- POLE EVANS, I.B., 1922. The main botanical regions of South Africa. Mem. bot. Surv. S. Afr. No. 4, pp. 49-53.
- ROBB, R.L., 1934. The grasslands of South Africa. Int. Grassld Congr. 3: 252-256.
- ROBB, R.L., 1936. Grassland development in South Africa. Present position and future possibilities. Pubs University of Pretoria ser. 1.36.
- ROBERTSON, C.C., 1924. The forests of South Africa. Emp. For. J. 3: 99-121.
- ROGERS, D.J. & MOLL, E.J., 1975. A quantitative description of some coast forests of Natal. Bothalia 11: 523-537.
- ROWLAND, J.W., 1948. Principles of grassveld utilization. Fmg S. Afr. 23: 486-494.
- RUSHWORTH, J.E., 1975. The floristic, physiognomic and biomass structure of Kalahari sand shrub vegetation in relation to fire and frost in Wankie National Park. M.Sc. thesis, University of Rhodesia.
- RUTHERFORD, M.C., 1975. Aspects of ecosystem function in a woodland savanna in South West Africa. Ph.D. thesis, University of Stellenbosch.
- RYCROFT, H.B., 1944. The Karkloof Forest, Natal. Jl S. Afr. For. Ass. No. 11, pp. 14-25.
- SAVORY, B.M., 1961a. The occurrence of thickets and chipyas. For. Newsl. Nth. Rhod. 65: 14-17.
- SAVORY, B.M., 1961b. The occurrence of thickets and chipyas. For. Newsl. Nth. Rhod. 67: 9-12.
- SAXTON, W.T., 1918. Oecological notes on the district of Manubie, Transkei. Trans. R. Soc. S. Afr. 6: 37-45.
- SCHOLZ, H., 1968a. Die Boden der Wuste Namib, Sudwestafrika. Z. PflErnahr. Dung. Bodenk. 119.2: 91-107.
- SCHOLZ, H., 1968b. Die Boden der Halbwuste Sudwestafrikas. Z. PflErnahr. Dung. Bodenk. 120: 105-118.
- SCHOLZ, H., 1968c. Die Boden der trockenen Savanne Sudwestafrikas. Z. PflErnahr. Dung. Bodenk. 120: 118-130.
- SCHOLZ, H., 1968d. Boden der Feuchten Savanne Sudwestafrikas. Z. PflErnahr. Dung. Bodenk. 120: 208-221.
- SCOTT, S.R., 1974. Witteklip Forest. Trees S. Afr. 26: 30-39.
- SEMPLE, A.T., 1971. Grassland improvement in Africa. Biol. Conserv. 3: 173-180.
- SIM, T.R., 1900. Botanical observations on the forests of eastern Pondoland. Agric. J. Cape G. H. 16: 21-42 & 104-115.
- SIM, T.R., 1907. The forests and forest flora of the Colony of the Cape of Good Hope. Aberdeen: Taylor & Henderson. pp. 361.
- SIM, T.R., 1909. Forest flora and forest resources of Portuguese East Africa. Aberdeen: Taylor & Henderson. pp. 166.
- SMITH, C.A., 1961a. Studies on the Northern Rhodesia *Hypparrhenia* veld. Part 2. J. agric. Sci., Camb. 56: 11.
- SMITH, C.A., 1961b. Studies on the Northern Rhodesia *Hypparrhenia* veld. Part 3. J. agric. Sci., Camb. 56: 243.
- SMITH, C.A., 1961c. The utilization of *Hypparrhenia* veld for the nutrition of cattle in the dry season. J. agric. Sci., Camb. 57: 305.
- SOUSA DE ALMEIDA, F., 1974. Bush control in grassland by aerial spraying. Proc. Grassld Soc. sth. Afr. 9: 73-76.
- STEAD, A., 1924. Saaidam terraces in the Karoo. S. Afr. J. Sci. 21: 315-321.
- STORY, R., 1939. Notes on two important grassland types in the Vereeniging district. S. Afr. J. Sci. 36: 336-341.
- STRANG, R.M., 1966. The spread and establishment of *Brachystegia spiciformis* Benth. and *Julbernardia globiflora* (Benth.) Troupin in the Rhodesian highveld. Commonw. For. Rev. 45: 253-256.
- STRANG, R.M., 1969. Soil moisture relationships under grassland and under woodland in the Rhodesian highveld. Commonw. For. Rev. 48: 26-40.
- TAYLOR, H.C., 1955. Forest types and floral composition of Grootvaderbosch. Jl S. Afr. For. Ass. No. 26, pp. 33-46.
- TAYLOR, H.C., 1959. A coastal forest remnant near Stanford, Cape Province. J. bot. Soc. S. Afr. 45: 27.
- TAYLOR, H.C., 1961a. Ecological account of a remnant coastal forest near Stanford, Cape Province. Jl S. Afr. Bot. 27: 153-166.
- TAYLOR, H.C., 1961b. The Karkloof Forest: a plea for its protection. For. S. Afr. No. 1, pp. 123-134.
- TAYLOR, H.C., 1963. A report on the Nxamalala Forest. For. S. Afr. No. 2, pp. 29-43.
- TAYLOR, H.C., 1972. Fynbos. Veld & Flora 2: 68-75.
- TAYLOR, H.C., 1973. Fire in fynbos. Veld & Flora 3: 18-19.
- TAYLOR, H.C. & BOUCHER, C., 1973. Natural vegetation boundaries of the south western Cape Province (Test site B) from ERTS-1 imagery. In Malan, O.G.(ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 47-57.
- THERON, G.K., 1973. Die Savannas (Bosveld) van Transvaal. Veld & Flora 3: 24-27.
- TINLEY, K.L., 1967. The moist evergreen forest- tropical dry semi-deciduous forest tension zone in the north-eastern Zululand and hypotheses on past temperate/montane rain forests connections. In Van Zinderen Bakker, E.M. (ed.), Palaeoecology of Africa 2:82-85. Cape Town: Balkema.
- TRAPNELL, C.G., 1959. Ecological results of woodland burning experiments in Northern Rhodesia. J. Ecol. 47: 129-168.
- VAN BRUGGEN, A.C., 1961. The Chirinda Forest, Mount Selinda. A montane rain forest in Southern Rhodesia. K. fysiogr. Sallsk. Lund Forh. 31: 61-75.
- VAN DER WALT, T.L., 1971. Voorlopige verslag oor die reaksie van dorre Karooveld op beweiding gedurende spesifieke jaargetye: Boesmangrasveld. Proc. Grassld Soc. sth. Afr. 6: 82-85.
- VAN DER ZEL, D.W. & KRUGER, F.J., 1975. Results of the multiple catchment experiments at the Jonkershoek Research Station, South Africa. 2. Influence of protection of fynbos on stream discharge in Langrivier. For. S. Afr. No. 16, pp. 13-18.

- VAN EEDEN, F.J., 1966. Metodes om die digtheid van bome en struik in Bosveld te bepaal. M.Sc. (Agric.) thesis, University of Pretoria.
- VAN RENSBURG, H.J., 1939. A further contribution to the ecology of the highveld grassland at Frankenwald. S. Afr. J. Sci. 36: 238-245.
- VAN RENSBURG, H.J., 1968. Growth and seasonal composition of natural grassland in Zambia. J. Brit. Grassld Soc. 23: 51-52.
- VAN RENSBURG, H.J., 1972. Fire: its effect on grasslands, including swamps - southern, central and eastern Africa. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 175-199.
- VAN WYK, J.J.P., 1963. Savannah communities south of the Pilaansberg mountains in the western Transvaal. Ph.D. thesis, Duke University, California.
- VAN ZINDEREN BAKKER, E.M., (Jr), 1971. Ecological investigations on ravine forests of the eastern Orange Free State (South Africa). M.Sc. thesis, University of the Orange Free State.
- VAN ZINDEREN BAKKER, E.M. (Jr), 1973. Ecological investigations of forest communities in the eastern Orange Free State and the adjacent Natal Drakensberg. Vegetatio 28: 299-334.
- VAN ZYL, P.H.S., 1974. State Forest wilderness areas. J. Mount. Club S. Afr. 77: 5-15.
- VASSELLOT DE REGNE, COMPTE, 1882. The Cape forests. Indian Forester 8: 1-25, 134-153 & 246-262.
- VENTER, H.J.T., 1971. A preliminary checklist to the Pteridophyta and Spermatophyta of the grassland and swamp communities of the Ngoye Forest Reserve, Zululand. J. S. Afr. Bot. 37: 103-108.
- VERBOOM, W.C., 1966. The grassland communities of Barotseland. Trop. Agric. Trin. 43: 101-116.
- VON BREITENBACH, F., 1971. Notes on the southern Cape indigenous forests. Trees S. Afr. 23: 30-41.
- VON BREITENBACH, F., 1972. Indigenous forests of the southern Cape. J. bot. Soc. S. Afr. 58: 18-47.
- VON BREITENBACH, F., 1974. Southern Cape forests and trees: a guide. Pretoria: Government Printer. pp. 328.
- VON CHRISTEN, H.C., 1964. Some observations on the forest soils of South Africa. For. S. Afr. No. 5, pp. 1-21.
- WALKER, B.H., 1970. An evaluation of eight methods of botanical analysis on grasslands in Rhodesia. J. appl. Ecol. 7: 403-416.
- WALTER, H., 1939. Grasland, savanne und busch der arideren teile Afrikas in ihrer okologischen bedingtheit. Jb. wiss. Bot. 87: 750-860.
- WALTER, H., 1954a. Das savannenproblem und die gefahr der verbuschung. Int. bot. Congr. 8, 7: 185-187.
- WALTER, H., 1954b. Die verbuschung, eine erscheinung der subtropischen savannengebiete, und ihre okologischen ursachen. Vegetatio 5/6: 6-10.
- WALTER, H., 1964. Productivity of vegetation in arid countries, the savanna problem and bush encroachment after overgrazing. Tech. Meet. int. Un. Conserv. Nat. nat. Resour. 9: 221-229.
- WARD, H.K. & CLEGHORN, W.B., 1970. The effects of grazing practices on tree regrowth after clearing indigenous woodland. Rhod. J. agric. Res. 8: 57-65.
- WARREN, M., 1965. A study of soil nutritional and other factors operating in secondary succession in the Highveld Grassland in the neighbourhood of Johannesburg. Ph.D. thesis, University of the Witwatersrand.
- WEIMARCK, H., 1941. Phytogeographical groups, centres and intervals within the Cape flora. Acta Univ. lund. 2, 37: 1-143.
- WELLINGTON, J.H., 1944. The boundaries of the High Veld. S. Afr. geogr. J. 26: 76-81.
- WELLINGTON, J.H., 1946. A physiographic regional classification of South Africa. S. Afr. geogr. J. 28: 64-86.
- WEST, O., 1952. Plant succession and veld burning considered particularly in relation to the management of Bushveld grazing. In Veld gold: a South African book of grassland farming, pp. 65-80. Johannesburg: National Veld Trust.
- WEST, O., 1955. Veld management in the dry summer-rainfall bushveld. In Meredith, D.(ed.), Grasses and pastures of South Africa, pp. 624-636. Johannesburg: Central News Agency.
- WEST, O., 1969. Reversing the decline in productivity of veld grazing in the southern Lowveld. Rhodesia agric. J. 66: 35-42.
- WHITE, F., 1962. Forest flora of Northern Rhodesia. London: Oxford University Press. pp. 455.
- WHITE, F., 1965. The savanna woodlands of the Zambesian and Sudanian Domains. Webbia 19: 651-681.
- WICHT, M.L., 1961. Our coastal forests a picture of beauty. Veldrust 22, 4: 24-25 & 30.
- WICHT, M.L., 1968. The Tzitzikama forest. Afr. wild Life 22: 231-239.
- WILLIAMSON, D.T., 1973. Vegetation mapping from ERTS imagery of the Okavango delta. Third earth resources technology satellite-1 symposium technical presentations 1B, pp. 301-308.
- YOUNG, R.G.N., 1943. Introduction to the bush flora of the central Transvaal (based on the vegetation characters). Agricultural Research Institute Series No. 3, University of Pretoria, pp. 20.

## REFERENCE WORKS AND MAPS

- AFRICA, FLORA, 1950. Flora coverage of Africa. 1:10 000 000. Codd, L.E., Pretoria, Botanical Research Institute.
- AFRICA, SOUTH OF THE SAHARA, FLORISTIC EXPLORATION, 1965. Map of the extent of floristic exploration of Africa south of the Sahara. 1:17 000 000. AETFAT. Webbia 19, 2.
- AFRICA, VEGETATION, 1958. Vegetation map of Africa south of the Tropic of Cancer. Prepared by Aubreville, A., Duvigneaud, P., Hoyle, A.C., Keay, R.W.J., Mendonca, F.A., & Pichi-Sermolli, R.E.G. 1:10 000 000. London: Oxford University Press.
- AFRICA, VEGETATION, 1963. Vegetations karte von Africa. 1:15 000 000. Mildbraed, J., Schulze-Menz, G.K., & Diels, L. Berlin: Walter de Gruyter & Co.
- ANGOLA, VEGETATION, 1939. Carta Fitogeografica de Angola. Gossweiler, J., 1:2 000 000. Ministerio das Colonias.
- BAYER, A.W., 1971. Aspects of Natal's botanical history. S. Afr. J. Sci. 67: 401-411.
- BOTSWANA, VEGETATION, 1970. Provisional vegetation types. 1:3 000 000. Gaborone: Government Printer.
- CAPE COLONY, VEGETATION, 1907. The Cape of Good Hope showing extent of forest and shrubs. Sim, T.R. 1:256 000. Aberdeen: Taylor and Henderson.
- CAPE PROVINCE, DRY WESTERN KAROO, VEGETATION, n.d. Droë Westelike Karoogebied. 1:3 030 303. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, HERSCHEL DISTRICT, VEGETATION, n.d. The Natural Resources of the Herschel District. Map 8. 1:100 000. The Department of Bantu Administration and Development.
- CAPE PROVINCE, KNYSNA, VEGETATION, n.d. Map of Knysna. 1:120 000. Surveyor General's Office.
- CAPE PROVINCE, ROOIPOORT FARM, VEGETATION, n.d. Vegetation map of Rooipoort farm. 1:29 815. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, WINTER RAINFALL REGION, VEGETATION, 1957. Winterreenstreek, Ekologiese substreke. 1:1 000 000. Pretoria, Botanical Research Institute.
- CAPE PROVINCE, WINTER RAINFALL REGION, VEGETATION, 1959. Winterreenstreek, Ekologiese substreke. 1:1 000 000. Pretoria, Botanical Research Institute.
- CROOK, A.O., 1956. A preliminary vegetation map of the Melssetter Intensive Conservation Area, Southern Rhodesia. Rhodesia agric. J. 53: 3-25.
- GOODIER, R. & PHIPPS, J.B., 1963. A Vegetation map of Chimanimani National Park. Kirkia 3: 2-7.

- KEAY, R.W.J., 1959. Vegetation map of Africa south of the Tropic of Cancer. Explanatory notes. London: Oxford University Press. pp. 24.
- KING, L.C., 1942. Notes to accompany a topographical map of part of the Valley of a Thousand Hills, Natal. Ann. Natal Mus. 10: 127-140.
- LESOTHO, VEGETATION, 1966. Lesotho Land Systems. East and West Sheets. 1:250 000. Bawden, M.G. & Carroll, D.M. Maseru: Public Works Department.
- MOZAMBIQUE, VEGETATION, n.d. Esboco da Vegetacao. 1:2 000 000. Gomes Pedro, J. & Grandvaux Barbosa, L.A. Provincia de Mocambique; Junta de exportacao do Algodoeira.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1948. Map of Cathedral Area. Natal Drakensberg. 1:31 680. Pearse, R.O. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1951. Vegetation map of Catchment I. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1953. Vegetation Map of Catchment IX. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, DUKU DUKU, MPATE & ST LUCIA, VEGETATION, 1961. A composite map of the southern portions of Duku Duku, Mpate & St Lucia showing excision and all boundaries. 1:24 000. Pretoria: Government Printer.
- NATAL, HLUHLUWE GAME RESERVE, VEGETATION, 1936. Map of Hluhluwe Game Reserve. Prismatic compass survey and vegetation types. 1:32 000. Henkel, J.S. Pretoria, Botanical Research Institute.
- NATAL REGIONAL SURVEY, 1957. Agriculture in Natal. Recent developments. Cape Town: Oxford University Press.
- NATAL, KOSI LAKE SYSTEM, VEGETATION, 1959. Vegetation types of the Kosi Lake System. 1:36 000. Tinley, K.L. Pretoria, Botanical Research Institute.
- NATAL, KILBURN PUMPED STORAGE SCHEME, VEGETATION, n.d. Kilburn Pumped storage scheme. 1:10 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, THREE RIVERS AREA, VEGETATION, 1968. Vegetation map of the Three Rivers Area. 1:253 807. Moll, E.J. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, n.d. Vegetation of the Tugela Basin, Natal. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1962. Vegetation of the Tugela Basin. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1967. Vegetation of the Tugela basin, Natal. 1:250 000. Edwards, D. Mem. bot. Surv. S. Afr. No. 36.
- NATAL, VEGETATION, 1943. An agro - ecological map of Natal. 1:1 000 000. Pentz, J.A. Pretoria: Government Printer.
- NATAL, VEGETATION, 1965. Vegetation of the St Lucia Lake Area. 1:39 600. Tinley, K.L. Pretoria, Botanical Research Institute.
- NORTHERN RHODESIA, VEGETATION, 1947. Vegetation - soil map of Northern Rhodesia, 1:1 000 000. Pretoria: Government Printer.
- O.F.S., BETHLEHEM, VEGETATION, 1974. Vegetation map of Bethlehem area. 1:50 000. Scheepers, J.C. D.Sc. thesis, University of Pretoria.
- POLE EVANS, I.B., 1936. A vegetation map of South Africa. Mem. bot. Surv. S. Afr. No. 15, pp. 23.
- POYNTON, R.J., 1971. A silvicultural map of Southern Africa. S. Afr. J. Sci. 67: 58-60.
- RATTRAY, J.M. & WILD, H., 1962. Vegetation map of the Federation of Rhodesia and Nyasaland. Kirkia 2: 94-104.
- ROBERTSON, T.C., 1958. The story behind famous plant maps. Veldtrust 19:6: 12-13 & 15.
- ROBERTSON, T.C., 1967. New soil map of Rhodesia. Veldtrust 28,2: 8-9.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Elyonurus argenteus*, *Andropogon amplexans*, *Setaria flabellata*, *Andropogon schirensis* & *Themeda triandra*. Pattern 1. Map 1. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Urochloa mosambicensis*, *Tristachya hispida*, *Panicum deustum* & *Eragrostis chloromelas*. Pattern 1. Map 2. Acocks, J.P.H. Pretoria; Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Setaria neglecta*, *Stipa dregeana* & *Melica decumbens*. Pattern 2. Map 3. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Antheophora pubescens*, *Stipagrostis uniplumis*, *Cenchrus ciliaris*, *Schmidia bulbosa* & *Aristida curvata*. Pattern 3. Map 4. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Stipagrostis obtusa*, *Sporobolus lampranthus*, *Panicum lanipes*, *Aristida anomala*, *Stipagrostis brevifolia* & *Eragrostis bicolor*. Pattern 4. Map 5. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Eragrostis bergiana*, *E. obtusa*, *Tragus koelerioides* & *Aristida diffusa* var *burkei*. Pattern 5. Map 6. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Fingerhuthia sesleriiformis*, *Tetrachne dregei*, *Pennisetum sphacelatum* & *P. thunbergii*. Pattern 6. Map 7. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Danthonia disticha*, *Danthonia purpurea*, *Hordeum capense* & *Koeleria cristata*. Pattern 7. Map 8. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Chaetobromus dregeanus*, *Eragrostis spinosa*, *Eragrostis cyperoides* & *Ehrharta barbinodis*. Pattern 8. Map 9. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Ehrharta calycina*, *Ehrharta melicoides*, *Ehrharta capensis* etc & *Ehrharta villosa*. Pattern 9. Map 10. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Panicum lanipes* & *Arundinella nepalensis*. Map 12. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Secale africanum* & *Eragrostis chloromelas*. Map 13. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
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- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Sporobolus fimbriatus*. Map 15. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tetrachne dregei* & *Sporobolus virginicus*. Map 16. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Themeda triandra*. Map 17. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tricholaena capensis* & *Poa binata*. Map 18. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Tristachya hispida*. Map 19. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Andropogon appendiculatus*. Map 20. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Brachypodium flexum* & *Stipagrostis uniplumis*. Map 21. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
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- Dicanthium papillosum*, *Danthonium disticha* & *Danthonia dura*. Map 22. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Diplachne fusca*. Map 23. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Fingerhuthia sesleriiformis*. Map 24. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Imperata cylindrica*. Map 25. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Leersia hexandra*. Map 26. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Odyssea paucinervis* & *Pennisetum sphacelatum*. Map 27. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, n.d. Distribution of *Danthonia glauca* & *Pennisetum thunbergii*. Map 28. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961a. Distribution of *Stipagrostis obtusa* & *Urochloa mosambicensis*. Map 3. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961b. Distribution of *Antheophora pubescens* & *Chaetobromus dregeanus*. Map 4. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961c. Distribution of *Panicum maximum* & *Ehrharta barbinodis*. Map 6. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961d. Distribution of *Ehrharta capensis* & *Echinochloa holubii*. Map 7. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961e. Distribution of *Ehrharta mellicoides* & *Setaria neglecta*, *Sporobolus lampranthus* & *Brachiaria brizantha*. Map 8. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961f. Distribution of *Eragrostis denudata* & *Stenotaphrum secundatum*. Map 9. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961g. Distribution of *Panicum coloratum*. Map 11. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961h. Distribution of *Phragmites communis* & s. limit of *P. mauritanicus*. Map 29. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961i. Distribution of *Sporobolus iocladius*. Map 33. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961j. Distribution of *Stipagrostis brevifolia* & *Panicum deustum*. Map 34. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961k. Distribution of *Stipagrostis namaquensis*. Map 35. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961l. Distribution of *Dactyloctenium australe*, *Danthonia purpurea* & *Chrysopogon montanus* var. *tremulus*. Map 36. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961m. Distribution of *Aristida engleri*, *A. dasydesmis*, *Pörtulacaria afra*. Map 37. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961n. Distribution of *Cenchrus ciliaris*. Map 39. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961o. Distribution of *Stipa dregeana* var. *elongata*. Map 40. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961p. Distribution of *Ehrharta calycina* & *Urochloa stolonifera*. Map 41. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961q. Distribution of *Hyparrhenia hirta* & *H. buchananii*. Map 42. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961r. Distribution of *Aristida diffusa* var. *burkei*. Map 44. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961s. Distribution of *Eragrostis obtusa*. Map 47. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961t. Distribution of *Heteropogon contortus*. Map 48. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961u. Distribution of *Hordeum capense*. Map 49. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961v. Distribution of *Puccinellia* spp. Map 50. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961w. Distribution of *Setaria flabellata*. Map 51. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1961x. Distribution of *Limeum aethiopicum*. Map 53. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962a. Distribution of *Anthoxanthum dregeanum*, *Stipagrostis fastigiata* & *Setaria sphacelata*. Map 2. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962b. Distribution of *Digitaria eriantha*. Map 5. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962c. Distribution of *Helictotrichon namaquense* & *Hemarthria altissima*. Map 10. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962d. Distribution of *Eragrostis bicolor*. Map 30. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962e. Distribution of *Ehrharta villosa*, *Ischaemum glaucostachyum* & *Setaria appendiculata*. Map 31. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962f. Distribution of *Panicum stapfianum*. Map 32. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962g. Distribution of *Bothriochloa radicans*. Map 38. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962h. Distribution of *Koeleria cristata*. Map 43. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962i. Distribution of *Danthonia stricta*. Map 45. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962j. Distribution of *Eragrostis lehmanniana*. Map 46. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962k. Distribution of *Aster barbatus*. Map 52. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962l. Distribution of *Salsola tuberculata*. Map 54. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962m. Distribution of *Tetragonia arbuscula*. Map 55. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, DISTRIBUTION, 1962n. Distribution of *Trifolium africanum* & *T. burchellianum*. Map 56. 1:3 000 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- SOUTH AFRICA, VEGETATION, n.d. Indigenous forests of South Africa. 1:4 000 000. Taylor, H.C. Botanical Research Unit, P.O. Box 471, Stellenbosch, Cape Province.

- SOUTH AFRICA, VEGETATION, n.d. Vegetation map of South Africa. 1:3 000 000. Pole Evans, I.B. Pretoria: Government Printer.
- SOUTH AFRICA, VEGETATION, n.d. Vegetation. 1:4 000 000. Acocks, J.P.H. Department of Agriculture, Division Botany and Plant Pathology.
- SOUTH AFRICA, VEGETATION, 1951. Veld types of South Africa. 1:1 500 000. Acocks, J.P.H. Pretoria, Government Printer.
- SOUTH WEST AFRICA, VEGETATION, 1970. Vegetation map of South West Africa. 1:3 030 300. Giess, W. Windhoek, SWA Herbarium.
- SOUTHERN AFRICA, VEGETATION, 1949. Vegetation map of Southern Africa adapted from I.B. Pole Evans. 1:4 000 000. Department of Agriculture, Division of Botany and Plant Pathology. Pretoria: Government Printer.
- SOUTHERN AFRICA, VEGETATION, 1968. Vegetation map of the Flora Zambesiaca area. 1:2 500 000. Wild, H. & Gandvaux Barbosa, L.A. Salisbury: M.O. Collins.
- SPOHR, O.H. & POLLER, M.R., 1968. German Africana. German publications on South & Southwest Africa. Pretoria: The State Library. pp. 332.
- TAYLOR, H.C., 1969. A vegetation survey of the Cape of Good Hope Nature Reserve. M.Sc. thesis, University of Cape Town. pp. 154.
- TEIXEIRA, J.B., 1968b. Parque Nacional do Bicuer Carta da Vegetacao (1a aproximacao) e Memoria Descritiva. Nova Lisboa, Instituto de Investigacao Agronomica de Angola.
- TEIXEIRA, J.B., et al., 1967. Parque Nacional da Quicama Carta da Vegetacao e Memoria Descritiva. Nova Lisboa, Instituto de Investigacao Agronomica de Angola.
- TRANSKEI, VEGETATION, 1901. Sketch map of the country between the Kei and Umzimkulu Rivers or the Transkeian Territories showing proposed railway routes, main and district roads, trading stations, agricultural zones and forests. Henkel, C.C. Pretoria, Botanical Research Institute.
- TRANSVAAL, OOS-TRANSVAAL HOëVELD, VEGETATION, n.d. Hoëveld Oos-Transvaal. 1:1 500 000. Pretoria, Botanical Research Institute.
- TRANSVAAL, SEKHUKHUNILAND, VEGETATION, 1960. Sketch map of the Vegetation of Sekhukhuniland. 1:250 000. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- TRANSVAAL, VEGETATION, n.d. National & Provincial Conserved Areas of the Transvaal. 1:1 500 000. Pretoria, Botanical Research Institute.
- TRANSVAAL, WARBATHS, TOWOOMBA PASTURE RESEARCH STATION, VEGETATION, 1942. A map of the veld types occurring on Towoomba Pasture Research Station. Acocks, J.P.H. Pretoria, Botanical Research Institute.
- TRANSVAAL, WESTFALIA ESTATE AND ENVIRONS, VEGETATION, 1967. Map of Westfalia Estate and Environs. 1:40 816. Scheepers, J.C. Pretoria, Botanical Research Institute.
- TYRRELL-GLYNN, W., & LEVYNS, M.R., 1963. Flora Africana. South African botanical books 1600-1963. Cape Town: South African Public Library. pp. 77.
- WEARE, P.R. & YALALA, A., 1971. Provisional vegetation map of Botswana. Botswana Notes and Records 3: 131-147.
- WEATHER BUREAU, 1957. Climate of South Africa. Part 4. Rainfall maps. Pretoria: Department of Transport, Weather Bureau, WB 22. pp.20.
- WHITE, F., 1971. The new AETFAT/UNESCO vegetation map of South Africa. Mitt. bot. StSamml., Münch. 10: 113-114.
- WHITE, F., 1973. Vegetation map of Africa. Kirkia 9: 20-21.
- ZIMBABWE, MALAWI, VEGETATION, 1960. Vegetation map of the Federation of Rhodesia and Nyasaland. 1:250 000. Rattray, J.M. & Wild, H. Salisbury: Director of Federal Surveys, Rhodesia and Nyasaland.
- ZIMBABWE, VEGETATION, 1930. Provisional Map of Vegetation Types in Southern Rhodesia. Henkel, J.S. Salisbury: Surveyor General's Office.
- ZUK, S., 1971. Freshwater fauna and flora in Africa south of the Sahara, 1960-1962: a bibliography. Johannesburg: University of the Witwatersrand Department of Bibliography, Librarianship & Typography. pp. 25.

## SYNECOLOGY

- ACOCKS, J.P.H., 1955. Agriculture in relation to a changing vegetation. S. Afr. J. Sci. 52: 101-108.
- ACOCKS, J.P.H., 1964. Karoo vegetation in relation to the development of deserts. In Davis, D.H.S. (ed.), Ecological studies in southern Africa. pp. 100-112. The Hague: Junk.
- ADAMSON, R.S., 1927. Alien trees at Kirstenbosch. J. bot. Soc. S. Afr. 13: 17-20.
- ADAMSON, R.S., 1931. The plant communities of Table Mountain. 2. Life-form, dominance and succession. J. Ecol. 19: 304-320.
- ADAMSON, R.S., 1935. The plant communities of Table Mountain. 3. A six years' study of regeneration after burning. J. Ecol. 23: 44-55.
- ADAMSON, R.S., 1941. Weeds: the "new" Cape flora. J. bot. Soc. S. Afr. 27: 7-8.
- ADLER, E.D., 1971. Interterritorial technical co-operation in southern Africa with special reference to SARCCUS. S. Afr. J. Sci. 67: 140-144.
- AGRICOLA (VENTER, P.J.), 1947. Geskiedenis van veldbrand in die Unie. In 1658 reeds verbied. Landbouweekblad, Cape Town, 31 Dec., p. 47.
- AGRICOLA (VENTER, P.J.), 1948. Uit die geskiedenis van die veldbrandgeskil. Landbouweekblad, Cape Town, 8 Dec., pp. 63 & 65.
- AITKEN, R.D., 1921. The plant succession in a type of midland tree veld in Natal. S. Afr. J. Sci. 18: 233-243.
- ALTONA, R.E., 1972. The influence of soil fertility on secondary succession. Proc. Grassld Soc. sth. Afr. 7: 20-22.
- AMM, S.E., 1894. Mimosa thorn nuisance. Agric. J. Cape G. H. 7: 207.
- ANON., 1888. Prickly pear in South Africa. Kew Bull. 1888: 165-173.
- ANON., 1904. Foreign grasses in Natal. Natal agric. J. 7: 46-49.
- ANON., 1924. Symposium on veld burning. S. Afr. J. Sci. 21: 342-352.
- ANON., 1928a. Statement relating to the Union of South Africa. British Empire Forestry Conference 1928: 3-28.
- ANON., 1928b. To control veld fires. Fmg S. Afr. 3: 909.
- ANON., 1940. Some naturalised species (of *Opuntia*) with special reference to Prickly Pear and methods for its eradication. Fmg S. Afr. 15: 119-125.
- ANON., 1954. Burning is necessary. Veldtrust 15,11: 29.
- ANON., 1956. Veld burning. Devastation or a blessing. The opinion of experts. Fmg S. Afr. 32,5: 14-20.
- ANON., 1958. Pros and cons of burning discussed at conference. Farmer's Weekly, Durban, 4 June, p. 45.
- ANON., 1959. Bush encroachment not controlled by veld-burning alone. Fmg S. Afr. 35,9: 16-17.
- ANON., 1961a. Fireproof strangler of the Western Province. Veldtrust 22,2: 24 & 30.
- ANON., 1961b. Veld burning in the Karoo mountains with special reference to sourgrassveld areas. Fmg S. Afr. 37: 36-37.
- ANON., 1962. Urgent need for an ecological survey of St Lucia area. Veldtrust 23,4: 11.
- ANON., 1966. Water hyacinth eradication programme stepped up. S. Afr. Sug. J. 50: 379.
- ANON., 1968. Incalculable damage through untimely veld fires. Fmg S. Afr. 44,3: 5.
- ANON., 1970. Restoring the balance of nature by computer. Construction sth. Afr. 15,1: 33-37.
- ARCHIBALD, E.E.A., 1949a. The specific character of plant communities. I. Herbaceous communities. J. Ecol. 37: 260-273.
- ARCHIBALD, E.E.A., 1949b. The specific character of plant communities. II. A quantitative approach. J. Ecol. 37: 274-288.
- AUSTEN, B., 1971. The history of veld burning in the Wankie

- National Park, Rhodesia. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 277-296.
- BALSINHAS, A., XAVIER DE BASTOS, A. & MORGADO, J.M., 1973. Combate dos arbustos (Madubula-Bela Vista). Instituto de Investigacao Agronomica de Mocambique, Lourenco Marques. Informacao tecnica 66.
- BANKS, C.H., 1964. Potential vapour losses from a soil-filled lysimeter with natural scrub cover, as affected by herbicides and burning. For. S. Afr. No. 4, pp. 37-51.
- BARNES, D.L., 1965. The effects of frequency of burning and mattedocking on the control of coppice in the Marandellas Sandveld. Rhod. J. Agric. Res. 3: 55-56.
- BASILEVSKAYA, N.A., 1929. The resources of plant industry in South Africa. Bull. appl. Bot. Pl. Breed. 22: 405-597.
- BASSON, N.C.J., 1971. Damage of natural grazing in the northern Free State by the harvester termite, *Hodotermes mossambicus* Hagen. Phytophylactica 4,3: 67-71.
- BATCHELDER, R.B. & HIRT, H.F., 1966. Fire in tropical forests and grasslands. Technical Report 67-41-ES, Boston University.
- BEMBRIDGE, T.J., 1966. Eradication of thorn trees. Rhodesia agric. J. 63: 86-87.
- BEWS, J.W., 1916a. An account of the chief types of vegetation in South Africa, with notes on the plant succession. J. Ecol. 4: 129-159.
- BEWS, J.W., 1916b. An account of the chief types of vegetation in South Africa, with notes on the plant succession. S. Afr. J. Sci. 13: 599.
- BEWS, J.W., 1917. The plant succession in the thorn veld. S. Afr. J. Sci. 14: 153-172.
- BEWS, J.W., 1920. Plant succession and plant distribution in South Africa. Ann. Bot. 34: 287-297.
- BEWS, J.W., 1921. Plant succession and plant distribution in South Africa. J. Ecol. 8: 161.
- BEWS, J.W., 1926a. The study of forest vegetation in South Africa. In Tansley, A.G. & Chipp, T.F., Aims and methods in the study of vegetation, pp. 314-317. London: British Empire Vegetation Committee.
- BEWS, J.W., 1926b. Survey of climatic grasslands, based on experience in South Africa. In Tansley, A.G. & Chipp, T.F., Aims and methods in the study of vegetation, pp. 341-348. London: British Empire Vegetation Committee.
- BEWS, J.W., 1931. The ecological viewpoint. S. Afr. J. Sci. 28: 1-15.
- BIOLOGIST KRUGER NATIONAL PARK, 1960. Veld burning. Koedoe 3: 173-194.
- BOTHA, C.G., 1924. Note on early veld burning in the Cape Colony. S. Afr. J. Sci. 21: 351-352.
- BOTHA, J.P., 1945. The burning of veld. Fmg S. Afr. 20: 404-409.
- BOUGHEY, A.S., 1963. The interaction between game animals, vegetation and fire in Southern Rhodesia. Ohio J. Sci. 63: 193-209.
- BRYNARD, A.M., 1964. The influence of veld burning on the vegetation and game of the Kruger National Park. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 371-393. The Hague: Junk.
- BRYNARD, A.M., 1972. Controlled burning in the Kruger National Park - history and development of a veld burning policy. In Fire in Africa, pp. 219-231. Proceedings Annual Tall Timbers, Fire Ecology Conference 11.
- BRYNARD, A.M., 1974. Die mens en sy omgewing met spesiale verwysing na die mens se direkte of indirekte invloed op die natuurlike omgewing en die bodem. Proc. Grassld Soc. sth. Afr. 9: 13-18.
- BRYNARD, A.M. & PIENAAR, U. DÊ V., 1960. Annual report of the biologist, Kruger National Park, 1958/1959. Koedoe 3: 1-205.
- BURBRIDGE, A.B., 1938. Uncontrolled grass and forest fires and their prevention. Bulletin 1081, Department of Agriculture, Southern Rhodesia.
- BURTT DAVY, J., 1904. Alien plants spontaneous in the Transvaal. Rep. S. Afr. Ass. Advmt Sci. 2: 252-299.
- COETZEE, J.A., 1945. A first contribution to the root ecology of certain Highveld communities: some subseral and preseral stages. M.Sc. thesis, University of the Witwatersrand.
- COETZEE, P.J.S., 1942. Fire and veld management. Veld burning as an agent in the "Ngongoni" sourveld. Fmg S. Afr. 17: 107-116 & 131.
- COHEN, C., 1937. *Stoebe vulgaris* Levyns. M.Sc. thesis, University of the Witwatersrand, pp. 118.
- COHEN, C., 1949. The occurrence of fungi in the soil after different grazing and burning treatments of the veld. Part 1. S. Afr. J. Sci. 46: 260-265.
- COLE, M.M., 1971. Biogeographical/geobotanical and biochemical investigations connected with exploration for nickel-copper ores in the hot, wet summer/dry winter environment. JI S. Afr. Inst. Min. Metall. 71,10: 191-209.
- COMPTON, R.H., 1926. Veld burning and veld deterioration. S. Afr. J. nat. Hist. 6: 5-19.
- COMPTON, R.H., 1934. The results of veld-burning. Educational Gazette, Dept Public Education, Cape of Good Hope 33: 644-655.
- CONNAUGHTON, C.A., 1935. Forest fires and accelerated erosion. Forestry 33: 751-752.
- COOK, L., 1939a. A contribution to our information on grass burning. M.Sc. thesis, University of the Witwatersrand, pp. 43.
- COOK, L., 1939b. A contribution to our information on grass burning. S. Afr. J. Sci. 36: 270-282.
- COUTTS, J.E.G., 1945. Effect of veld burning on the base exchange capacity of a soil. S. Afr. J. Sci. 41: 218-224.
- CROSS, G.W. & THERON, E.P., 1970. Effectiveness of Parquat on the Ngongoni veld of the Natal Mistbelt. Proc. Grassld Soc. sth. Afr. 5: 101-105.
- D'EWES, D., 1961. Invasion of alien acacias. Veldtrust 22,5: 24-25 & 30.
- DATE, S., 1959. Mangroves. Nucleon 1: 31.
- DAUBENMIRE, R., 1968. Ecology of fire in grasslands. Adv. ecol. Res. 5: 209-266.
- DAVIDSON, R.L., 1953. A seasonal burn experiment in sour/mixed Bushveld. In Annual Report of the Frankenwald Field Research Station, University of the Witwatersrand, Johannesburg, pp. 39-46.
- DAVIDSON, R.L., 1964a. An experimental study of succession in the Transvaal Highveld. In Davis, D.H.S., Ecological studies in southern Africa, pp.113-125. The Hague: Junk.
- DAVIDSON, R.L., 1964b. Natural regeneration of grassland on fallows with and without fertilizers in South Africa. Emp. J. exp. Agric. 32: 161-165.
- DAVIDSON, R.L., BRYNARD, A.M., GILLARD, P., LECATSAS, G. & LEIGH, J., 1961. Veld burning. (c) Calibration of the belt transect method in *Combretum* woodland in the Kruger National Park. Koedoe 4: 31-44.
- DAVIS, D.H.S. et al., 1964. Ecological studies in southern Africa. The Hague: Junk. pp. 415.
- DE BEER, H.P.J. & VAN RENSBURG, P.H.J.J., 1968. Intrusive plants in the Highveld region. Fmg S. Afr. 43,10: 31-32.
- DE SOUSA, E., 1963. Notas sobre a destruicao de vegetacao e prevencao da rebentacao de toica pelo emprego de fitocidas. Lourenco Marques : Junta Provincial de Povoamento. pp. 68.
- DENNY, R.P. & DANIELS, S.S., 1968. Observations on the effects of arboricides on umbondo (*Combretum apiculatum*). Rhodesia agric. J. 65,2: 34-35.
- DICKENS, K.W., 1961. Thornbush eradication and control. Fmg S. Afr. 1: 13-20.
- DONALDSON, C.H., 1964. Bushes endanger cattle farming in the Molopo area of the northern Cape. Fmg S. Afr. 40,7: 21-25.
- DONALDSON, C.H., 1966. Control of blackthorn in the Molopo area with special reference to fire. Proc. Grassld Soc. sth. Afr. 2: 57-62.
- DONALDSON, C.H., 1967. Further findings on the effects of fire on blackthorn. Proc. Grassld Soc. sth. Afr. 2: 59-61.
- DONALDSON, C.H., 1974. Bush encroachment in South Africa. National Programme for Environmental Sciences (Terrestrial Biology). Paper presented at the 1st National Weeds Conference, 13-14 Aug. 1974, Pretoria.
- DONALDSON, C.H. & KELK, D.M., 1974a. Bush eradication and control in the Molopo area: goats and sheep in the utilization and control of sage bush- blackthorn veld. Agric. Res., Pretoria, pp. 170.
- DONALDSON, C.H. & KELK, D.M., 1974b. Bush eradication and control in the Molopo area: conversion of dense mixed bushveld to savannah veld by mechanical and chemical means - Buttermere. Agric. Res., Pretoria, pp. 169.

- DONALDSON, C.H. & KELK, D.M., 1974c. Bush eradication and control in the Molopo area: large scale chemical eradication of blackthorn - Arizona. Agric. Res., Pretoria, pp. 172.
- DONALDSON, C.H. & KELK, D.M., 1974d. Bush eradication and control in the Molopo area: large scale chemical eradication of blackthorn - Bathurst. Agric. Res., Pretoria, pp. 170.
- DONALDSON, C.H. & KELK, D.M., 1974e. Bush eradication and control in the Molopo area: large scale chemical eradication of blackthorn - De Rust. Agric. Res., Pretoria, pp. 171.
- DOWNING B.H., 1974. Reactions of grass communities to grazing and fire in the sub-humid lowlands of Zululand. Proc. Grassld Soc. sth. Afr. 9: 33-37.
- DU TOIT, P.F., 1967. Bosindringing met spesifieke verwysing na *Acacia karroo*-indringing. Proc. Grassld Soc. sth. Afr. 2:119-126.
- DU TOIT, P.F., 1968. A preliminary report on the effect of *Acacia karroo* competition on the composition and yield of sweet grassveld. Proc. Grassld Soc. sth. Afr. 3: 147-149.
- DU TOIT, P.F., 1971. Incidence and intrusion of *Acacia karroo* in the Eastern Cape Region: influence of angora goat and merino sheep grazing on *A. karroo* regrowth. Agric. Res., Pretoria, pp. 173-175.
- DU TOIT, P.F., 1972a. *Acacia karroo* intrusion: the effect of burning and sparing. Proc. Grassld Soc. sth. Afr. 7: 23-27.
- DU TOIT, P.F., 1972b. Incidence and intrusion of *Acacia karroo* in the Eastern Cape Region: influence of Boer goat and German merino sheep grazing on *A. karroo* regrowth. Agric. Res., Pretoria, pp. 171-172.
- DU TOIT, P.F., 1972c. The goat in a bush-grass community. Proc. Grassld Soc. sth. Afr. 7: 44-50.
- DU TOIT, P.F., 1973. Incidence and intrusion of *Acacia karroo* in Eastern Cape Region: influence of burning and subsequent veld management on the regeneration of *A. karroo*. Agric. Res., Pretoria, pp. 135-159.
- DYER, R.A., 1930. The control of mimosa trees and scrub bush. Fmg S. Afr. 4: 649-650.
- DYER, R.A., 1931. Eradication of *Acacia* scrub or thorn bush. Fmg S. Afr. 5: 524.
- DYER, R.A., 1932. Control of *Selago corymbosa* L. Fmg S. Afr. 6: 511-512.
- EDWARDS, P.J., 1961. Studies in veld burning and mowing in the Tall Grass Veld of Natal. M.Sc. (Agric.) thesis, University of Natal. pp. 240.
- EDWARDS, P.J., 1968. The long-term effects of burning and mowing on the basal cover of two veld types in Natal. S. Afr. J. agric. Sci. 11: 131-140.
- EDWARDS, P.J., 1969. Veld burning in the Giant's Castle Game Reserve. Lammereyger 10: 64-67.
- EDWARDS, P.J., 1971. Veld burning with grazing in the tall grassveld. Agric Res., Pretoria, pp. 114.
- EDWARDS, P.J., BOOYSEN, P. DE V. & MAPPLEDORAM, B.D., 1972. Effects of competition on the establishment of overseeded species in the highveld sourveld of Natal. Agroplantae 4,1: 1-8.
- EICKER, A., 1970a. Ecological observations on soil fungi. S. Afr. J. Sci. 66: 327-334.
- EICKER, A., 1970b. Vertical distribution of fungi in Zululand soils. Trans. Br. mycol. Soc. 55,1: 45-57.
- ELIAS, F.D., 1971. This business of burning. Rhodesia agric. J. 68: 79-86.
- ERNST, W., 1972. Ecophysiological studies on heavy metal plants in south central Africa. Kirkia 8: 125-145.
- EYRE, J., 1939. The South African intertidal zone and its relation to ocean currents. 7. An area in False Bay. Ann. Natal Mus. 9: 283-306.
- EYRE, J. & STEPHENSON, J.A., 1938. The South African intertidal zone and its relation to ocean currents. 5. A subtropical Indian Ocean shore. Ann. Natal Mus. 9: 21-46.
- FRIES, R.E., 1914. Botanische untersuchungen. Band 1. Wissenschaftliche ergebnisse der Schweidischen Rhodesia - Kongo expedition 1911-1912. Stockholm.
- GLOVER, P.E., 1937.1. The ecology of the Frankenwald type of flora. 2. The utility of aerial photographs as an aid to botanical survey. M.Sc. thesis, University of the Witwatersrand.
- GLOVER, P.E., 1938. The utility of aerial photographs as an aid to botanical survey. JI S. Afr. Bot. 4: 35-44.
- GLOVER, P.E. & VAN RENSBURG, H.J., 1938. A contribution to the ecology of the highveld grassland at Frankenwald, in relation to grazing and burning. S. Afr. J. Sci. 35: 274-279.
- GODWIN, H., 1929. The sub-climax and deflected succession. J. Ecol. 17: 144-147.
- GROBBELAAR, W.S., 1960. Controlled veld burning is essential. Fmg S. Afr. 36,8: 46-48.
- GRUNOW, J.O., 1968. The developing fields of plant ecology. Proc. Grassld Soc. sth. Afr. 3: 33-41. !Pretoria, pp. 37-50.
- GUILLOTEAU, J., 1957. The problem of bush fires and burns in land development and soil conservation in Africa south of the Sahara. Sols afr. 4,2: 64-102.
- HALL, A.V., 1970. A computer-based method for showing continua and communities in ecology. J. Ecol. 58: 591-602.
- HALL-MARTIN, A.J., 1975. The influence of man and wildlife on Rift Valley plant communities of Malawi. JI S. Afr. biol. Soc. 16: 20-45.
- HENKEL, J.S., 1937. Report on the plant and animal ecology of the Hluhluwe Game Reserve. Pietermaritzburg: Natal Witness.
- HEYDORN, A.F.P.J., 1975. Plant succession on the sea dunes of Betty's Bay. Veld & Flora 6: 26-29.
- HOWELL, D., 1962. Fire. To control pirate bushes and paralytic ticks. Farmer's Weekly, Bloemfontein, 31 Jan. pp. 41-43.
- HUNTLEY, B.J., 1970. Altitudinal distribution and phenology of Marion Island vascular plants. Tydskr. Natuurwet. 10, 4.
- HUTCHISON, I.P.G. & MIDGLEY, D.C., 1973. A mathematical model to aid management of outflow from the Okavango Swamp, Botswana. J. Hydrol. 19,2: 93-112.
- IRVINE, L.O.F., 1943. Bush encroachment in the northern Transvaal. Fmg S. Afr. 18: 725-729.
- JACKSON, G., 1974. Cryptogaeal germination and other seedling adaptations to the burning of vegetation in savanna region: the origin of the pyrophytic habit. New Phytol. 73: 771-789.
- JARMAN, M.L. 1973. Preliminary assessment of veld burning patterns in Natal from ERTS-1 imagery. In Malan, O.G. (ed.), To assess the value of satellite imagery resource evaluation on a national scale. CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 72-77.
- JARMAN, N.G. & BOSCH, O.J.H., 1973. The identification on mapping of extensive secondary invasive and degraded ecological types. In Malan, O.G. (ed.), To assess the value of satellite imagery resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 10-11.
- JONES, R.I., 1967. Outline of a new approach to the study of competition. Proc. Grassld Soc. sth. Afr. 2: 127-136.
- JONES, R.I., 1969. Research note on the survival time of a species which disappears from a mixed population. Agroplantae 1: 39-40.
- JONES, R.I. & BARTHOLOMEW, P.E., 1971. A way to measure the spread of plants from a focus. Proc. Grassld Soc. sth. Afr., 6: 170-175.
- JONES, R.M., 1964. A further study of secondary succession on the Highveld. M.Sc. thesis, University of the Witwatersrand.
- JOOSTE, J. VAN DER W., 1965. Experiments on the control of *Acacia mearnsii* De Wild. S. Afr. J. agric. Sci. 8: 1165-1166.
- JOOSTE, J. VAN DER W., 1967. Die bestryding van *Hakea*. Tydskr. Natuurwet. 6/7: 315-318.
- JORDAAN, P.G., 1949a. Aantekeninge oor die voortplanting en brandperiodes van *Protea mellifera* Thunb. JI S. Afr. Bot. 15: 121-125.
- JORDAAN, P.G., 1949b. Gemeenskapsontwikkeling en veldbeheer. Tydskr. Wet. Kuns 9: 204-214.
- JORDAAN, P.G., 1965. Die invloed van 'n winterbrand op die voortplanting van vier soorte van die Proteaceae. Tydskr. Natuurwet. 5: 27-31.
- JOUBERT, J.G.V., 1960. Bush encroachment a serious problem in S.W.A. Fmg S. Afr. 36, 4: 20 & 22.
- JOUBERT, J.G.V., 1962. Bosindringing - die invloed van verskillende behandelings op die verhouding van *Acacia detinens* Burch (Swarthaak) tot gras in die Damaralandse doringboom savannahveld in Suidwes-Afrika. M.Sc. thesis, University of Stellenbosch.

- JOUBERT, J.G.V., 1966. Effect of various treatments on the ratio of bushes to grass in the Damaraland thorn tree savanna in South West Africa. *Annale Univ. Stellenbosch Serie A* 41: 435-463.
- KEET, J.D.M., 1965. The veld and forest fire laws of South Africa. *S. Afr. For. J.* No. 55, pp. 3-9.
- KILLICK, D.J.B., 1963. An account of the plant ecology of the Cathedral Peak Area of the Natal Drakensberg. *Mem. bot. Surv. S. Afr.* No. 34, pp. 178.
- KING, N.L., 1939. Plant succession on the Transkeian coast. *Jl S. Afr. For. Ass.* No. 3, pp. 113.
- KRUPKO, I. & DAVIDSON, R.L., 1961. An experimental study of *Stoebe vulgaris* in relation to grazing and burning. *Emp. J. exp. Agric.* 29: 175-180.
- LE ROUX, C.J.G., 1972. Burning and/or mowing veld without grazing. *Agric. Res., Pretoria*, pp. 164-167.
- LEEMANN, A.C., 1935. The eradication of Gifblaar. *Fmg S. Afr.* 10: 233-236.
- LEMON, P.C., 1968. Effects of fire on an African plateau grassland. *Ecology* 49: 316-322.
- LEVYNS, M.R., 1924. Some observations on the effects of bush fires on the vegetation of the Cape Peninsula. *S. Afr. J. Sci.* 21: 346-347.
- LEVYNS, M.R., 1929a. The problem of the Rhenoster bush. *S. Afr. J. Sci.* 26: 166-169.
- LEVYNS, M.R., 1929b. Veld burning experiments at Ida's Valley, Stellenbosch. *Trans. R. Soc. S. Afr.* 17: 61-92.
- LEVYNS, M.R., 1930. The Rhenoster bush. *J. Bot. Soc. S. Afr.* 16: 14-15.
- LEVYNS, M.R., 1936. Veld burning experiments at Oakdale, Riversdale. *Trans. R. Soc. S. Afr.* 23: 231-243.
- LEVYNS, M.R., 1966. *Haemanthus canaliculatus*, a new fire-lily from the western Cape Province. *Jl S. Afr. Bot.* 32: 73-75.
- LIEBENBERG, L.C.C., 1934a. Veld burning. 1. How it affects the farmer as well as the country. *Fmg S. Afr.* 9: 213-215.
- LIEBENBERG, L.C.C., 1934b. Veld burning. 2. Its influence on the various types of vegetation. *Fmg S. Afr.* 9: 265-266 & 278.
- LIVERSIDGE, R., 1970. Identification of grazed grasses using epidermal characters. *Proc. Grassld Soc. sth. Afr.* 5: 153-165.
- LIVERSIDGE, R., 1972. Grasses grazed by springbok and sheep. *Proc. Grassld Soc. sth. Afr.* 7: 32-38.
- LOGAN, R.F., 1973. Geography of the Central Namib Desert. In McGinnies, W.G. & Goldman, B.J. (eds), *Arid lands in perspective*, pp. 127-143. Arizona: University of Arizona Press.
- LOUBSER, J.H. & KOTZE, T.J., 1967. A farmer in South West combats bush encroachment with grass. *Fmg S. Afr.* 43:2: 42-45.
- LOUW, A.J. & VAN DER MERWE, J.J., 1973. Invloed van ontbossing van gemenge veld op rooi kleigrond van die Springbokvlakte op veldsaamstelling en diereproduksie. *Tech. Commun. Dep. agric. tech. Serv. (S. Afr.) Pretoria*, No. 110.
- LOWES, J.J., 1963. A preliminary investigation into the relative merits of pre-rain and post-rain burning of sour veld in the spring. M.Sc. thesis, University of the Witwatersrand.
- MALAN, O.G., 1973. To assess the value of satellite imagery in resource evaluation on a national scale. Pretoria: CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 138.
- MALAN, O.G., MACVICAR, C.N., EDWARDS, D., TEMPERLEY, B.N. & CLAASEN, L., 1973. The value of ERTS-I imagery in resource inventorisation on a national scale in South Africa. Third earth resources technology satellite-I symposium. Technical presentations 1B.
- MARLOTH, R., 1924. Notes on the question of veld burning. *S. Afr. J. Sci.* 21: 342-345.
- MARTIN, A.R.H., 1965. Plant ecology of the Grahamstown Nature Reserve. 1. Primary communities and plant succession. *Jl S. Afr. Bot.* 31: 1-54.
- MARTIN, A.R.H., 1966. The plant ecology of the Grahamstown Nature Reserve. 2. Some effects of burning. *Jl S. Afr. Bot.* 32: 1-39.
- MASON, D., 1956. Evils of grass burning dramatically illustrated, (Pietermaritzburg). *Farmer's Weekly*, Bloemfontein, 6 June, pp. 23.
- MOZAMBIQUE, VEGETATION, n.d. *Esboco da Vegetacao*. 1:200000. Gomes Pedro, J. & Grandvaux Barbosa, L.A. Provincia de Mocambique; Junta de exportacao do Algodoeira.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1948. Map of Cathedral Area. Natal Drakensberg. 1:31 680. Pearse, R.O. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1951. Vegetation map of Catchment I. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, CATHEDRAL PEAK, VEGETATION, 1953. Vegetation Map of Catchment IX. Cathedral Peak Forest Influences Research Station. 1:2 400. Killick, D.J.B. Pretoria, Botanical Research Institute.
- NATAL, DUKU DUKU, MPATE & ST LUCIA, VEGETATION, 1961. A composite map of the southern portions of Duku Duku, Mpate & St Lucia showing excision and all boundaries. 1:24 000. Pretoria: Government Printer.
- NATAL, HLUHLUWE GAME RESERVE, VEGETATION, 1936. Map of Hluhluwe Game Reserve. Prismatic compass survey and vegetation types. 1:32000. Henkel, J.S. Pretoria, Botanical Research Institute.
- NATAL REGIONAL SURVEY, 1957. Agriculture in Natal. Recent developments. Cape Town: Oxford University Press.
- NATAL, KOSI LAKE SYSTEM, VEGETATION, 1959. Vegetation types of the Kosi Lake System. 1:36000. Tinley, K.L. Pretoria, Botanical Research Institute.
- NATAL, KILBURN PUMPED STORAGE SCHEME, VEGETATION, n.d. Kilburn Pumped storage scheme. 1:10 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, THREE RIVERS AREA, VEGETATION, 1968. Vegetation map of the Three Rivers Area. 1:253 807. Moll, E.J. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, n.d. Vegetation of the Tugela Basin, Natal. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1962. Vegetation of the Tugela Basin. 1:250 000. Edwards, D. Pretoria, Botanical Research Institute.
- NATAL, TUGELA BASIN, VEGETATION, 1967. Vegetation of the Tugela basin, Natal. 1:250 000. Edwards, D. *Mem. bot. Surv. S. Afr.* No. 36.
- NATAL, VEGETATION, 1943. An agro - ecological map of Natal. 1:1 000 000. Pentz, J.A. Pretoria: Government Printer.
- NATAL, VEGETATION, 1965. Vegetation of the St Lucia Lake Area. 1:39 600. Tinley, K.L. Pretoria, Botanical Research Institute.
- NORTHERN RHODESIA, VEGETATION, 1947. Vegetation - soil map of Northern Rhodesia, 1:1 000 000. Pretoria: Government Printer.
- O.F.S., BETHLEHEM, VEGETATION, 1974. Vegetation map of Bethlehem area. 1:50 000. Scheepers, J.C. D.Sc. thesis, University of Pretoria.
- POLE EVANS, I.B., 1936. A vegetation map of South Africa. *Mem. bot. Surv. S. Afr.* No. 15, pp. 23.
- POYNTON, R.J., 1971. A silvicultural map of Southern Africa. *S. Afr. J. Sci.* 67: 58-60.
- RATTRAY, J.M., 1954. Some plant indicators in Southern Rhodesia. *Rhod. agric. J.* 51: 176-186.
- ROSE-INNES, R., 1937. Some observations made in reconnaissance through the karoo region and a portion of the southern grassveld. Johannesburg: University of the Witwatersrand.
- ROSE-INNES, R., 1938. Some observations on the nature and causes of secondary succession on certain areas at Frankenwald and in the Highveld of the Transvaal. M.Sc. thesis, University of the Witwatersrand.
- ROURKE, J.P., 1972. Taxonomic studies on *Leucospermum*. *Jl S. Afr. Bot. suppl.* 8: 172-176.
- ROUX, E., 1946. The veld and the future. Cape Town: The African Bookman, pp. 59.
- ROUX, E., 1956. The science of ecology. *Veldtrust* 17:6: 8-9.
- ROUX, E.R., 1953. The nitrogen sensitivity of *Eragrostis curvula*

- and *Trachypogon plumosus* in relation to grassland succession. S. Afr. J. Sci. 50: 173-176.
- ROUX, E.R., 1964. The Australian Acacias in southern Africa. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 137-142. The Hague: Junk.
- ROUX, E.R., 1965. Salt tolerance in four invasive exotic Acacias of the Cape Peninsula. S. Afr. J. Sci. 61: 438.
- ROUX, E.R., 1970. Plant succession on Iron Age sites at Melville Koppies (Johannesburg). S. Afr. J. Sci. 66: 48-50.
- ROUX, E.R. & WARREN, M., 1963. Plant succession on abandoned fields in central Oklahoma and in the Transvaal highveld. Ecology 44: 576-579.
- ROWLAND, J.W., 1933. Notes on the study of plant successions imposed by grazing. S. Afr. J. Sci. 30: 307-316.
- RUSHWORTH, J.E., 1975. The floristic, physiognomic and biomass structure of Kalahari sand shrub vegetation in relation to fire and frost in Wankie National Park. M.Sc. thesis, University of Rhodesia.
- RYCROFT, H.B., 1947. A note on the immediate effects of veld burning on streamflow in a Jonkershoek stream catchment. J. S. Afr. For. Ass. No. 15, pp. 80-88.
- SCHEEPERS, J.C., 1969. A preliminary assessment of association-analysis in the Kroonstad area. Proc. Grassld Soc. sth. Afr. 4: 78-83.
- SCHEEPERS, J.C., 1973a. Investigation of applicability of satellite imagery to vegetation mapping at 1:1 000 000 scale in the eastern Transvaal escarpment area. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 12.
- SCHEEPERS, J.C., 1973b. Investigation of applicability of satellite imagery to vegetation mapping at 1:500 000 scale in eastern Transvaal escarpment area. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale CSIR Special report Fis 50, type 3 report for period July 1972 to Nov. 1973, CSIR, Pretoria, pp. 57-60.
- SCHEEPERS, J.C. & JARMAN, N.G., 1973. The identification and mapping of regional/ecological types on the Highveld Grassland (Test site D). In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 14-19.
- SCHOEMAN, N.S., 1937. Sward density and weed invasion of Woolly Finger (Pretoria Small) pastures under different grazing treatments. S. Afr. J. Sci. 34: 218-223.
- SCHUTTE, K.H., 1953. *Hakea* eradication. J. S. Afr. For. Ass. 23: 30-36.
- SCOTT, J.D., 1939. A preliminary report on methods of thorn scrub eradication. S. Afr. J. Sci. 36: 224.
- SCOTT, J.D., 1959. Price of veld burning. Farmer's Weekly, Bloemfontein, 29 July, p. 81.
- SCOTT, J.D., 1966a. To keep the thornbush at bay. Farmer's Weekly, Bloemfontein, 3 Aug. p. 45.
- SCOTT, J.D., 1966b. Veld burning in South Africa. Afr. wild Life 20: 93-102.
- SCOTT, J.D., 1967. Bush encroachment in South Africa. S. Afr. J. Sci. 63: 311-314.
- SCOTT, J.D., 1968. The menace of bush encroachment. Farmer's Weekly, Bloemfontein 15, Feb, pp. 26-29.
- SCOTT, J.D., 1970. Pros and cons of eliminating veld burning. Proc. Grassld Soc. sth. Afr. 5: 23-26.
- SCOTT, J.D., 1972. Veld burning in Natal. In: Fire in Africa. Proc. Ann. Tall. Timbers Fire Ecol. Conf. 11: 33-51.
- SHERRY, S.P., 1969. The Black Wattle (*Acacia mearnsii* De Wild.). Ph.D. thesis, University of Natal.
- SHERRY, S.P., 1971. The Black Wattle (*Acacia mearnsii* De Wild.). Pietermaritzburg: University of Natal Press.
- SIM, J.T.R., 1943. Mountain fires. Fmg S. Afr. 18: 283-286.
- SIMPSON, J., 1968. Bush clearing in South West Africa. Farmer's Weekly, Bloemfontein, 15 May, pp. 80-83.
- STAPLES, R.R., 1926. Experiments in veld management. First report. Sci. Bull. Dep. Agric. & For. Un. S. Afr. No. 49, pp. 30.
- STAPLES, R.R., 1930. Studies in veld management. A second report on certain veld burning and grazing experiments. Sci. Bull. Dep. Agric. & For Un. S. Afr. No. 91, pp. 31.
- STEVEN, G., 1957. A study of edaphic factors in the secondary succession on the Transvaal highveld. Ph.D. thesis, University of the Witwatersrand.
- STODART, D.M., 1975. Afforestation, catchment protection and water supply demands. S. Afr. For. J. No. 93, pp. 12-20.
- STORY, R., 1964. Plant lore of the Bushmen. In Davis, D.H.S. (ed.), Ecological studies in southern Africa, pp. 87-99. The Hague: Junk.
- STRANG, R.M., 1960. Experiments in bush eradication. Rhodesia agric. J. 51: 122-123.
- STRANG, R.M., 1965. Bush encroachment and secondary succession in the Rhodesian highveld with special reference to soil moisture relationships. Ph.D. thesis, University of London, pp. 771.
- STRANG, R.M., 1973. Bush encroachment and veld management in south-central Africa. The need for a reappraisal. Biol. Conserv. 5, 2: 96-104.
- STRANG, R.M., 1974. Some man-made changes in successional trends on the Rhodesian Highveld. J. appl. Ecol. 11: 249-263.
- TAINTON, N.M., 1963. Burning or mowing - which is more profitable? Fmg S. Afr. 39: 24-25.
- TANSLEY, A.G. & CHIPP, T.F. (eds), 1926. Aims and methods in the study of vegetation. London: British Empire Vegetation Committee, pp. 383.
- TAYLOR, H.C., 1969a. Pest plants and nature conservation in the winter rainfall region. Habitat No. 8, pp. 6-9.
- TAYLOR, H.C., 1969b. Pest plants and nature conservation in the winter rainfall region. J. bot. Soc. S. Afr. 55: 32-38.
- TAYLOR, H.C., 1969c. Pesplante en natuurbewaring. For. S. Afr. No. 10, pp. 41-46.
- TAYLOR, H.C., 1972. A sketch of the vegetation of South Africa. Veld &
- TAYLOR, H.C., 1973. Fire in fynbos. Veld & Flora 3: 18-19.
- TAYLOR, H.C., 1974. Combat and control of *Hakea*. Fruit and Fruit Technology Research Institute. Information Bulletin 264: 1-3.
- TAYLOR, H.C., 1975. Weeds in the south-western Cape vegetation. S. Afr. For. J. No. 93, pp. 32-36.
- TEW, J., GROSSMAN, E.S., FAIR, P. & CRESSWELL, C.F., 1974. A study of the fine structure, enzyme activities and pattern of <sup>14</sup>C<sub>2</sub> incorporation of highveld grasses from different successional stages. Proc. Grassld Soc. sth. Afr. 9: 95-104.
- THERON, G.C., 1932. Veld-burning in the Western Transvaal. Fmg S. Afr. 7: 244.
- THOMSON, P.J., 1975. The role of elephants, fire and other agents in the decline of a *Brachystegia boehmii* Woodland. J. sth. Afr. Wildl. Mgmt Ass. 5: 11-18.
- THOMPSON, W.R., 1937. Veld burning, its history and importance in South Africa. Pubs Univ. Pretoria ser. 1, No. 31, pp. 19.
- THOMSON, W.R., 1975. A photographic technique to quantify lateral cover density. J. sth. Afr. Wildl. Mgmt Ass. 5: 75-78.
- TRAPNELL, C.G., 1959. Ecological results of woodland burning experiments in Northern Rhodesia. J. Ecol. 47: 129-168.
- TROLLOPE, W.S.W., 1970. A consideration of macchia (fynbos) encroachment in South Africa and an investigation into methods of macchia eradication in the Amatole Mountains. M.Sc. thesis, University of Natal.
- TROLLOPE, W.S.W., 1972. Fire as a method of eradicating macchia vegetation in the Amatole mountains of South Africa - experimental and field scale results. Proc. Ann. Tall Timbers Fire Ecol. Conf. 11: 99-120.
- TROLLOPE, W.S.W., 1973. Fire as a method of controlling macchia (fynbos) vegetation on the Amatole Mountains of the eastern Cape. Proc. Grassld Soc. sth. Afr. 8: 35-41.
- TROLLOPE, W.S.W., 1974. The role of fire in preventing bush encroachment in the Eastern Cape. Proc. Grassld Soc. sth. Afr. 9: 67-72.
- TROLLOPE, W.S.W. & BOOYSEN, P.D.E. V., 1971. The eradication of macchia (fynbos) vegetation on the Amatole Mountains of the Eastern Cape. Proc. Grassld Soc. sth. Afr. 6: 28-38.
- TYSON, P.D., 1963. A preliminary study of local air circulations and atmospheric pollution over Pietermaritzburg. M.Sc. thesis, University of the Witwatersrand.

- VAN DER MERWE, A.J., 1964. 'n Vergelykende studie van die transformasie van veranderlikes afkomstig uit 'n negatiewe binomiale populasie. M.Sc. (Agric.) thesis, University of the Orange Free State.
- VAN DER MERWE, P., 1962. Floristiese opname van Swartboskloof Stellenbosch en die herstel van die flora na 'n brand. M.Sc. thesis, University of Stellenbosch.
- VAN DER MERWE, P., 1966. Die flora van Swartboskloof, Stellenbosch en die herstel van die soorte na 'n brand. *Annale Univ. Stellenbosch* Serie 41,14: 691-736.
- VAN DER MERWE, P., 1969. Datering van veld brande met behulp van *Protea mellifera* Thunb. *Tydskr. Natuurwet.* 9: 251-254.
- VAN DER MERWE, P. & VAN DER MERWE, D., 1968. Fire in the Swartboschkloof Nature Reserve. *Afr. wild Life* 22: 147-157.
- VAN DER SCHIJFF, H.P., 1956. Bush encroachment is a serious menace. *Farmer's Weekly*, Bloemfontein, 15 Feb., pp. 63-68.
- VAN DER SCHIJFF, H.P., 1958. Inleidende verslag oor veldbrandnavorsing in die Nasionale Krugerwildtuin. *Koedoe* 1: 60-93.
- VAN DER SCHIJFF, H.P., 1964. 'n Hervaluasie van die probleem van bosindringing in Suid Afrika. *Tydskr. Natuurwet.* 4: 67-80.
- VAN DER WALT, J.L., 1961. Veld burning in the Sneeuberg Range, with special reference to scrub veld. *Fmg S. Afr.* 37,5: 33-35.
- VAN DER ZEL, D.W. & PLATHE, D.J.R., 1969. 'n Veldbrand eksperiment op meervoudige opvanggebiede in Jakkalsrivier, Lebanon. *For. S. Afr. No.* 10, pp. 63-71.
- VAN RENSBURG, H.J., 1969. The effect of fire on vegetation. *Farming in Zambia suppl.* 4,3. pp. 4.
- VAN RENSBURG, H.J., 1972. Fire: its effect on grasslands, including swamps - southern, central and eastern Africa. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 175-199.
- VAN WYK, P., 1972. Veld burning in the Kruger National Park, an interim report of some aspects of research. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 9-31.
- VAN WYK, P. & WAGER, V.A., 1968. Problems of fire in the Kruger Park. *Afr. wild Life* 22: 269-280.
- VENTER, A.D., 1968. The problems of *Aristida junciformis* encroachment into the veld of Natal. *Proc. Grassld Soc. sth. Afr.* 3: 163-165.
- VON BROEMBSSEN, H.H., 1966. The logarithmic series applied to point samples drawn from natural pastures. *Int. Grassld Congr.* 10: 913-916.
- VOWINCKEL, E., 1958. Fire-danger rating. *Jl S. Afr. For. Ass.* No. 31, pp. 58-73.
- WALKER, B.H., 1974. Some problems arising from the preliminary manipulation of plant ecological data for subsequent numerical analysis. *Jl S. Afr. Bot.* 40: 1-13.
- WALTER, H., 1954a. Das savannenproblem und die gefahr der verbuschung. *Int. bot. Congr.* 8,7: 185-187.
- WALTER, H., 1954b. Die verbuschung, eine erscheinung der subtropischen savannengebiete, und ihre okologischen ursachen. *Vegetatio* 5/6: 6-10.
- WALTER, H., 1964. Productivity of vegetation in arid countries, the savanna problem and bush encroachment after overgrazing. *Tech. Meet. int. Un. Conserv. Nat. nat. Resour.* 9: 221-229.
- WARMING, E., 1909. The ecology of plants. Oxford: Clarendon Press.
- WARREN, M., 1965. A study of soil nutritional and other factors operating in secondary succession in the Highveld Grassland in the neighbourhood of Johannesburg. Ph.D. thesis, University of the Witwatersrand.
- WEAVER, J.E. & CLEMENTS, F.E., 1938. Plant ecology. New York: McGraw Hill.
- WERGER, M.J.A., 1972. Species-area relationship and plot size: with some examples from South African vegetation. *Bothalia* 10: 583-594.
- WERGER, M.J.A. & LEISTNER, O.A., 1975. Vegetationsdynamik in der sudlichen Kalahari. In Schmidt, W. (ed.), *Sukzessionforschung. Berichte der International en Symposien der International Vereinigung fur Vegetationskunde*, pp. 135-158. Vaduz: Cramer.
- WEST, O., 1947. Thorn bush encroachment in relation to the management of veld grazing. *Rhodesia agric. J.* 44: 488-497.
- WEST, O., 1952. Plant succession and veld burning considered particularly in relation to the management of Bushveld grazing. In *Veld gold: a South African book of grassland farming*, pp. 65-80. Johannesburg: National Veld Trust.
- WEST, O., 1958. Bush encroachment, veld burning and grazing management. *Rhodesia agric. J.* 55: 407-425.
- WEST, O., 1962a. Factors affecting the carrying capacity of veld grazing. *Proceedings of the 1st inter-departmental conference of pasture workers*, 1962, Bulawayo, pp. 6-22.
- WEST, O., 1962b. Report of the sub-committee on bush and bush encroachment. *Sols afr.* 7: 301-312.
- WEST, O., 1965. Fire in vegetation and its use in pasture management with special reference to tropical and subtropical Africa. Hurley, Berkshire: Commonwealth Bureau of Pastures and Field Crops. pp. 53.
- WEST, O., 1969. Fire, its effect on the ecology of vegetation in Rhodesia and its application in grazing management. *Rhod. Sci. News.* 3,11: 321-326.
- WEST, O., 1972. Fire, man and wildlife as interacting factors limiting the development of climax vegetation in Rhodesia. *Proc. Ann. Tall Timbers Fire Ecol. Conf.* 11: 121-145.
- WICHT, C.L., 1948. A statistically designed experiment to test the effects of burning on a sclerophyll scrub community. 1. Preliminary account. *Trans. R. Soc. S. Afr.* 31: 479-501.
- WICHT, C.L., 1955. Veld fires will soon be here. *Farmer's Weekly*. Bloemfontein, 13 July, pp. 14-19.
- WICHT, C.L. & BANKS, C.H., 1963. Die invloed van beheerde brand en bebossing op die wateropbrengs van bergopvanggebiede in die Winterreestreek. *South African Geographer* 2: 23-29.
- WICHT, M.L., 1958. Afterglow of mountain fires. *Veldtrust* 19,5: 6-7 & 16.
- WICHT, M.L., 1960. Brande en byle het Suid-Afrika se fraai boserfenis uitgedun. *Veldtrust* 21,4: 8-9 & 11.
- WICHT, M.L., 1971. Invasion of the "Green Cancers". *Afr. Wild Life* 25: 11-14.
- WILD, H., BIEGEL, H.M. & MAVIS, A., 1972. A Rhodesian botanical dictionary of African and English plant names. Salisbury: Government Printer, pp. 281.
- WILSON, K., 1970. Pollution of the environment by organochlorine pesticides. *Rhod. Sci. News* 4: 281-284.
- WROUGHTON, F.H., 1948. To burn or not to burn. *Jl S. Afr. For. Ass.* No. 16, pp. 76-78.
- ZAHN, G.A. & NEETHLING, E.J., 1929b. The cluster pine (*Pinus pinaster*) at the Cape. *S. Afr. J. Sci.* 26: 195-210.
- ZAHN, G.A. & NEETHLING, E.J., 1929a. Notes on the exotic trees in the Cape Peninsula. *S. Afr. J. Sci.* 26: 211-234.
- ZIMMERMAN, O., 1907. Grass fires. *Rhodesia agric. J.* 5: 233-236.

## VEGETATION DESCRIPTIONS

- ACOCKS, J.P.H., 1952. The grassy veld-types of South Africa. In *Veld gold*, pp. 22-29. Johannesburg: The National Veld Trust.
- ACOCKS, J.P.H., 1953. Veld types of South Africa. *Mem. bot. Surv. S. Afr.* No. 28, pp. 192.
- ACOCKS, J.P.H., 1955. Agriculture in relation to a changing vegetation. *S. Afr. J. Sci.* 52: 101-108.
- ACOCKS, J.P.H., 1967. Vegetation of South Africa. *Lantern* 16: 50-56.
- ACOCKS, J.P.H., 1971. The distribution of certain ecologically important grasses in South Africa. *Mitt. bot. StSamml., Münch.* 10: 149-160.
- ACOCKS, J.P.H., 1975. Veld types of South Africa. 2nd edn. *Mem. bot. Surv. S. Afr.* No. 40, pp. 128.
- ADAMSON, R.S., 1925. The native vegetation of Kirstenbosch. *J. bot. Soc. S. Afr.* 11: 19-23.
- ADAMSON, R.S., 1927a. Some problems of vegetation in South Africa. *S. Afr. J. Sci.* 24: 37-49.
- ADAMSON, R.S., 1927b. The plant communities of Table Mountain: preliminary account. *J. Ecol.* 15: 278-309.
- ADAMSON, R.S., 1929a. The vegetation of the south-west region. *J. bot. Soc. S. Afr.* 15: 7-12.

- ADAMSON, R.S., 1929b. Vegetation of the south-western region. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province, pp. 15-32. Cape Town: Speciality Press.
- ADAMSON, R.S., 1931. The plant communities of Table Mountain. 2. Life-form, dominance and succession. J. Ecol. 19: 304-320.
- ADAMSON, R.S., 1934. The vegetation and flora of Robben Island. Trans. R. Soc. S. Afr. 22: 279-296.
- ADAMSON, R.S., 1935. The plant communities of Table Mountain. 3. A six years' study of regeneration after burning. J. Ecol. 23: 44-55.
- ADAMSON, R.S., 1938a. Notes on the vegetation of the Kamiesberg. Mem. bot. Surv. S. Afr. No. 18, pp. 25.
- ADAMSON, R.S., 1938b. The vegetation of South Africa. London: British Empire Vegetation Committee. pp. 235.
- ADAMSON, R.S., 1948. Some geographical aspects of the Cape flora. Trans. R. Soc. S. Afr. 31: 437-464.
- ADAMSON, R.S., 1949. Plant geography in southern Africa. In Statements and communications of the African regional scientific conference 17-28 Oct. 1949, Johannesburg, pp. 113-115.
- ADAMSON, R.S., 1952. The flora of the Cape Province. Cape Department of Nature Conservation Report No. 9: 29-33.
- ADAMSON, R.S., 1959. Notes on the phytogeography of the flora of the Cape Peninsula. Trans. R. Soc. S. Afr. 35: 443-462.
- ADAMSON, R.S., 1960. The phytogeography of Molluginaceae with reference to southern Africa. J. S. Afr. Bot. 26: 17-35.
- ADAMSON, R.S., COMPTON, R.H., VAN DER BYL, P.A., STEPHENS, E.L. & LEVYNs, M.R., 1929. The botanical features of the south-western Cape Province. Cape Town: Speciality Press. pp. 127.
- ADAMSON, R.S. & SALTER, T.M. (eds). 1950. Flora of the Cape Peninsula. Cape Town & Johannesburg: Juta. pp. 889.
- ADLAM, R.W., 1886. A trip to Polela. Gdnrs' Chron. 2,25: 425 & 426.
- ADLAM, R.W., 1899. The flora of Johannesburg. Gdnrs' Chron. 3,25: 407-408.
- AFRICA, FLORA, 1950. Flora coverage of Africa. 1:10 000 000. Codd, L.E., Pretoria, Botanical Research Institute.
- AFRICA, SOUTH OF THE SAHARA, FLORISTIC EXPLORATION, 1965. Map of the extent of floristic exploration of Africa south of the Sahara. 1:17 000 000. AETFAT. Webbia 19,2.
- AIRY SHAW, H.K., 1947. The vegetation of Angola. J. Ecol. 35: 23-48.
- AITKEN, R.D., & GALE, G.W., 1921. Botanical survey of Natal and Zululand. A reconnaissance trip through north-eastern Zululand. Mem. bot. Surv. S. Afr. No. 2, pp. 19.
- ALEXANDER, J.E., 1838. An expedition of discovery into the interior of Africa, through the hitherto undescribed countries of the Great Namaquas, Boschmans and Wild Damaras. London: Colburn (2 vols).
- ALEXANDER, W.J.R., 1973. Some comments on the diversion of the Mkuze river into Lake St Lucia. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- ALLAN, W., 1965. The African husbandman. Edinburgh & London: Oliver & Boyd. p. 505.
- ALLANSON, B.R., 1960. The techniques and objectives of stream surveys. CSA/CCTA Publs No. 64, pp. 213.
- ALLANSON, B.R., 1961. Investigations into the ecology of polluted inland waters in the Transvaal. Part 1. Hydrobiologia 18: 1-76.
- ALLANSON, B.R., 1969. Limnological studies on the lakes of northern Zululand. General introductions. Trans. R. Soc. S. Afr. 38: 201-203.
- ALLANSON, B.R. & GIESKES, J.M.T.M., 1961. Investigations into the ecology of polluted inland water in the Transvaal. Part 2. Hydrobiologia 18: 77-94.
- ALLANSON, B.R. & HART, R.C., 1975. The primary production of Lake Sibaya, KwaZulu, South Africa. Verh. int. Verein. theor. angew. Limnol. 19: 1426-1433.
- ALLSOP, R.J., 1945. Notes on the ecology of associated grassland plants of Pietermaritzburg, South Africa. M.Sc. thesis, University of South Africa.
- ALSTON, A.H.G., 1934. Mr John Gossweiler's plants from Angola and Portuguese Congo: Pteridophyta. J. Bot., Lond. 72, Suppl. 2: 1-11.
- ALSTON, A.H.G. & SCHELPE, E.A.C.L.E., 1952. An annotated check-list of the Pteridophyta of southern Africa. J. S. Afr. Bot. 18: 153-176.
- AMICO, A., 1967. Contributo alla conoscenza della flora della Zambesia inferiore (mozambico). Webbia 22: 469-526.
- ANDERSON, C.J., 1856. Lake Ngami: or explorations, and discoveries during four years wanderings in the wilds of south western Africa. 2nd edn. London: Hurst & Blackett. pp. 546.
- ANDERSON, G.D., 1973. Vegetation composition and elephant damage in the major habitat types of Sengwa Wildlife Research Area of Rhodesia. M.Sc. thesis, University of Rhodesia.
- ANDERSON, G.D. & WALKER, B.H., 1974. Vegetation composition and elephant damage in the Sengwa Wildlife Research Area, Rhodesia. J. sth. Afr. Wildl. Mgmt Ass. 4: 1-14.
- ANON., 1858. The botanical aspect of Natal. Natal Jour. 2: 175-176.
- ANON., 1919. Botanical survey of the Union of South Africa. Kew Bull. 1919: 399-403.
- ANON., 1932. Transvaal veld flowers. S. Afr. Gdng Country Life 22: 30, 55, 87, 111, 141, 178, 206, 227, 252, 281 & 307.
- ANON., 1940a. Plant ecology of Zululand. Herb. Rev. 8: 16-17.
- ANON., 1940b. Plants of the Namib Desert. Herb. Rev. 8: 182-188.
- ANON., 1950a. Check-list Northern Rhodesia. Botanical names - all native languages. Part 1. pp. 83. Livingstone: Forestry Office (roneoed).
- ANON., 1950b. Check-list Northern Rhodesia. Botanical names - all native languages. Part 2. pp. 60. Livingstone: Forestry Office (roneoed).
- ANON., 1966a. Die doringboom woestyn. Veldtrust 27,7: 20-21 & 23.
- ANON., 1966b. Water hyacinth eradication programme stepped up. S. Afr. Sug. J. 50: 379.
- ANON., 1968. The Malabusi River. Rhod. Sci. News 2,12: 256-257.
- ANON., 1969. Some problems of aquatic ecosystems in southern Africa. News Lett. Limnol. Soc. sth. Afr. No. 13, pp. 1-95 (supplement).
- ANON., 1973. The interdependence of marine and estuarine ecosystems in South Africa S. Afr. J. Sci. 69: 18-24.
- APPELTON, C.C., 1974. A check-list of the flora and fauna of the Gladdespruit, Nelspruit District, eastern Transvaal. News Lett. Limnol. Soc. sth. Afr. No. 22, pp. 49-58.
- ARCHIBALD, C.G.M., 1966. Some new and interesting Cyanophytes from the Kowie River system in the eastern Cape Province. (S. Africa). Nova Hedwigia 12: 529-538.
- ARCHIBALD, C.G.M., 1967. New and interesting Cyanophytes from the Kowie River system in the eastern Cape Province. Nova Hedwigia 13: 389-395.
- ARCHIBALD, C.G.M., 1971. Aspects of the limnology of the Ifafa River estuary in relation to its possible eutrophication. In Natal Rivers Research Report, National Institute for Water Research No. 37: 3.
- ARCHIBALD, C.G.M., COETZEE, O.J., COX, S.M.H., KEMP, P.H., PRETORIUS, S.J. & SIBBALD, R.R., 1971. Water quality and abatement of pollution in Natal rivers. Part 4: Factors affecting water quality in the sugar growing areas of Natal. Natal Town & Regional Planning Commission Report 13, Pietermaritzburg, pp. 120.
- ARCHIBALD, C.G.M., COETZEE, O.J., KEMP, P.H., PRETORIUS, S.J. & SIBBALD, R.R., 1969. Water quality and abatement of pollution in Natal rivers. Part IV: The rivers of northern Natal & Zululand. Natal Town & Regional Planning Commission Report 13, 4, Pietermaritzburg, pp. 52.
- ARCHIBALD, E.E.A., 1954. An ecological survey of the Addo Elephant National Park. J. S. Afr. Bot. 20: 137-154.
- ARCHIBALD, E.E.A., 1967. The genus *Dioscorea* in the Cape Province, west of East London. J. S. Afr. Bot. 33: 1-46.
- ARCHIBALD, R.E.M., 1969. Studies on the ecology and systematics of the diatoms (Bacillariophyta) from some South African rivers. M.Sc. thesis, Rhodes University.
- ARCHIBALD, R.E.M., 1972. Diversity in some South African

- diatom associations and its relation to water quality. Wat. Res. 6: 1229-1248.
- ARNELL, S., 1963. Hepaticae of South Africa. Stockholm: Swedish Nat. Sci. Res. Council. pp. 411.
- ASHTON, P.J., 1974. The effect of some environmental factors on the growth of *Azolla filiculoides* Lam. In Van Zinderen Bakker, E.M. (Sr.) (ed.), The Orange River, Progress Report, pp. 123-138. Inst. for Environmental Sciences, University of the Orange Free State.
- ASTLE, W.L., 1965a. The edaphic grasslands of Zambia. Proc. 9th Internat. Grassl. Congr., pp. 363-373.
- ASTLE, W.L., 1965b. The grass cover of the Chambeshi flats, Northern Province, Zambia. Kirkia 5: 37-48.
- ASTLE, W.L., 1968/69. The vegetation and soils of Chishinga Ranch, Luapula Province, Zambia. Kirkia 7: 73-102.
- ATTWELL, R.I.G., 1970. Some effects of Lake Kariba on the ecology of a floodplain of the mid-Zambezi Valley of Rhodesia. Biol. Conserv. 2,3: 189-196.
- AUBREVILLE, A., 1971. Essai sur la Geophylectique et l'ecophylectisme des Manilkarees. Adansonia ser. 2,11: 251-265.
- AUBREVILLE, A., 1975. Essais sur l'origine et l'histoire des Flores tropicales africaines. Application de la theorie des origines polytopiques des Angiospermes tropicales. Adansonia ser. 2,15: 31-56.
- AXELROD, D.I., 1970. Mesozoic paleogeography and early Angiosperm history. Bot. Rev. 36: 277-319.
- AZANCOT DE MENEZES, O.J., 1965. Estudo fitosociologico e caracteristicas dos pastagens daregiaio do Chitado. Bol. Inst. Invest. Cient. Angola 2,2: 137-181.
- AZANCOT DE MENEZES, O.J., 1971. Estudo fito-ecologico da regio do Mucope e carta da vegetacao. Bol. Inst. Invest. cient. Angola 8,2: 7-54.
- BACHMANN, F., 1901. Sud-Afrika; Reisen, Erlebnisse und Beobachtungen waehrend eines sechsjahrigen Aufenthaltes in der Kapkolonie, Natal und Pondoland. Berlin: Eichblatt. pp. 219.
- BACKHOUSE, J., 1844. Narrative of a visit to the Mauritius and South Africa. London: Hamilton, Adams & Co. pp. 648.
- BADER, F., 1960. Die sudhemisphaerischen Coniferen als genetischen, geographischen und okologischen Florenelement. Erdkunde 14: 303-308.
- BAINES, T., 1864. Explorations in South-West Africa being an account of a journey in the years 1861 and 1862 from Walvisch Bay, on the western coast, to Lake Ngami and the Victoria Falls. London: Longmans. pp. 535.
- BAKER, H.A. & OLIVER, E.G.H., 1967. Ericas in southern Africa. Cape Town: Purnell.
- BAKER, J.G., 1867. On the geographical distribution of ferns. Trans. Linn. Soc. Lond., Bot. 26: 305-352.
- BALDERSON, G., 1965. A trip to Moremi Game Reserve. Afr. wild Life 19: 147-151.
- BARBOSA, L.A.G., 1968. Mocambique. Acta phytogeogr. succ. 54: 224-232.
- BARCLAY-SMITH, R.W., 1964. A report on the ecology and vegetation of the Great Dyke (Rhodesia) within the Horseshoe intensive conservation area. Kirkia 4: 25-34.
- BARLOW, B.A. & WIENS, D., 1971. The cytogeography of the Loranthaceae mistletoes. Taxon 20: 291-312.
- BARNARD, W.S., SMIT, P. & VAN ZYL, J.A., 1972. Suid-Afrika. Die land en sy streke. Cape Town: Nasou. pp. 370.
- BARTER, C., 1852. The dorp and veld. London: Orr.
- BARTON WORTHINGTON, E., 1973. The ecology of introductions - a case study from the African Lakes. Biol. Conserv. 5,3: 221-222.
- BARTON, E.S., 1893. A provisional list of the marine algae of the Cape of Good Hope. J. Bot., Lond. 31: 53-56, 81-84, 110-114, 138-144, 171-177 & 202-210.
- BAUM, H., 1903. Kunene-Sambesi-Expedition. Berlin: Kolonial-Wirtschaftlichen Komitees.
- BAWDEN, M.G., 1965a. A reconnaissance of the land resources of eastern Bechuanaland. J. appl. Ecol. 2: 357-365.
- BAWDEN, M.G., 1965b. Some soils of northern Bechuanaland with a description of the main vegetation zones. Directorate of Overseas Surveys, Tolworth, pp. 46.
- BAYER, A.W., 1934. Botanical survey (of the Pastures Camp and Vemraam or Dooley Camp near Bergville, Natal). Onderstepoort J. Vet. Sci. 2: 687-689.
- BAYER, A.W., 1936. An account of the plant communities of the coast belt and midlands of Zululand. D.Sc. thesis, University of South Africa.
- BAYER, A.W., 1938. An account of the plant ecology of the coast belt and midlands of Zululand. Ann. Natal Mus. 8: 371-454.
- BAYER, A.W., 1952. Notes on the vegetation of Natal. Bull. Natal Soc. Preserv. wild Life nat. Resorts 1,7: 2-5.
- BAYER, A.W., 1953a. Notes on the vegetation of Natal. Mangrove forest. Bull. Natal Soc. Preserv. wild Life nat. Resorts 2,1: 8-11.
- BAYER, A.W., 1953b. Notes on the vegetation of Natal. Evergreen scrub and tree veld. Bull. Natal Soc. Preserv. wild Life nat. Resorts 2,2: 19-21.
- BAYER, A.W., 1954. Notes on the vegetation of Natal. Swamp Forest. Bull. Natal Soc. Preserv. wild Life nat. Resorts 2,3: 22-24.
- BAYER, A.W., 1965a. Chapter on vegetation. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1965b. Report of a visit - January 31 to February 4, 1965 (Dukuduku Forest). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1965c. Report on a visit to the area north of St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., 1974. Aerial survey - St Lucia vegetation. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BAYER, A.W., BIGALKE, R.C. & CRASS, R.S., 1968a. Natal. In Hedberg, I. & O. (eds), Conservation of vegetation in Africa south of the Sahara, pp. 243-247. Uppsala: Almqvist & Wiksells.
- BAYER, A.W., BIGALKE, R.C. & CRASS, R.S., 1968b. Natal. Acta phytogeogr. succ. 54: 243-247.
- BAYER, A.W. & TINGLEY, K.L., 1966. The vegetation of the St Lucia Lake area. Report of St Lucia Lake Commission of Inquiry, pp. 344-352.
- BEADLE, L.C., 1974. The inland tropical water of tropical Africa, an introduction to tropical limnology. London: Longmans.
- BEAUVERD, G., 1913. Contributions a la flore de l'Afrique australe, I. Bull. Soc. bot. Geneve 2, 5: 325-328.
- BEAUVERD, G., 1914. Contributions a la flore de l'Afrique australe, II. Bull. Soc. bot. Geneve 2,6: 127-132.
- BEETZE, W., 1933. Geology of South West Angola; between Cunene and Luanda Axis. Trans. geol. Soc. S. Afr. 36: 137-176.
- BEETZE, W., 1950. Die geheimnisse des Kunenelaufes in Sudangola und Sudwestafrika. Erdkunde 4: 43-54.
- BEGG, G.W., 1970. Limnological observations on Lake Kariba during 1967 with emphasis on some special features. Limnol. Oceanogr. 15: 776-788.
- BEGG, G.W., 1971. Preliminary tests using formalin as a possible means of chemically controlling *Salvinia auriculata* and other undesirable floating plants in freshwater impoundments. News Lett. Limnol. Soc. sth. Afr. No. 17, pp. 22-26.
- BEGG, G.W., 1972. A critical appraisal of conventional mesh dimensions in plankton sampling methods, after trials with a plankton pump and sand filter apparatus. News Lett. Limnol. Soc. sth. Afr. No. 19, pp. 19-24.
- BEGG, G.W., 1973. The biological consequences of discharge above and below Kariba Dam. Orzieme Congres des Grands Barrages, Madrid. Commission International des Grands Barrages, pp. 421-430.
- BEGLEY, H.V., 1944. A note on the orchids recorded in the neighbourhood of Somerset West, Cape Province. Pamph. S. Afr. biol. Soc. No. 13, pp. 52-59.
- BENSON, M., 1904. The origin of flowering plants. New Phytol. 3: 49-51.
- BENTHAM, G., 1843. Enumeration of Leguminosae indigenous to southern Asia and central and southern Africa. J. Bot., Lond. 2: 423-481 & 559-612.
- BENTHAM, G., 1844. Enumeration of Leguminosae indigenous to southern Asia and central and southern Africa. J. Bot., Lond. 3: 338-365.
- BENTHAM, G., 1848. Enumeration of Leguminosae indigenous to southern Asia and central and southern Africa. J. Bot., Lond. 7: 580-657.

- BERG, O., 1860. Beschreibung einiger neuen Drogwen vom Cap. Bonplandia 8: 190-192.
- BERGER, A., 1904. Die Aloes von Deutsch Sudwestafrika. Mschr. Kakteenk. 14: 159-160.
- BEWS, J.W., 1912. The vegetation of Natal. Ann. Natal Mus. 2: 253-332.
- BEWS, J.W., 1913a. An ecological survey of the Midlands of Natal, with special reference to the Pietermaritzburg district. Ann. Natal Mus. 2: 485-545.
- BEWS, J.W., 1913b. The vegetation of Natal. J. Ecol. 1: 75-76.
- BEWS, J.W., 1914. An ecological survey of the Midlands of Natal with special reference to the Pietermaritzburg district. J. Ecol. 2: 206-207.
- BEWS, J.W., 1917a. South African phytogeography. S. Afr. geogr. J. 1: 11-22.
- BEWS, J.W., 1917b. The plant ecology of the Drakensberg Range. Ann. Natal Mus. 3: 511-565.
- BEWS, J.W., 1920a. Plant succession and plant distribution in South Africa. Ann. Bot. 34: 287-297.
- BEWS, J.W., 1920b. The Mont aux Sources National Park. Notes on its vegetation. J. Bot. Soc. S. Afr. 6: 11-13.
- BEWS, J.W., 1920c. The plant ecology of the coast belt of Natal. Ann. Natal Mus. 4: 367-470.
- BEWS, J.W., 1921a. An introduction to the flora of Natal and Zululand. Pietermaritzburg: City Printing Works. pp. 248.
- BEWS, J.W., 1921b. Plant succession and plant distribution in South Africa. J. Ecol. 8: 161.
- BEWS, J.W., 1921c. Some aspects of botany in South Africa and plant ecology in Natal. S. Afr. J. Sci. 18: 63-80.
- BEWS, J.W., 1921d. Some general principles of plant distribution as illustrated by the South African flora. Ann. Bot. 35: 1-36.
- BEWS, J.W., 1927a. Ecological evolution of angiosperms. New Phytol. 26: 1-21, 65-84, 129-148, 209-259 & 273-294.
- BEWS, J.W., 1927b. Studies in the ecological evolution of the angiosperms. London: Wheldon & Wesley.
- BEWS, J.W., 1929. The world's grasses. Their differentiation, distribution, economics and ecology. London: Longmans. pp. 408.
- BEWS, J.W. & AITKEN, R.D., 1923a. Researches on the vegetation of Natal. Series I. Mem. bot. Surv. S. Afr. No. 5, pp. 1-70.
- BEWS, J.W. & AITKEN, R.D., 1923b. Researches on the vegetation of Natal. S. Afr. J. Sci. 20: 285-289.
- BEWS, J.W. & AITKEN, R.D., 1925. Researches on the vegetation of Natal. Series II. Mem. bot. Surv. S. Afr. No. 8, pp. 65.
- BIGALKE, R.C., 1971. Biological monitoring in the St Lucia Lake System. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BINNS, B., 1968. A first checklist of the herbaceous flora of Malawi. Zomba: Government Printer.
- BINNS, B., 1972. Dictionary of plant names in Malawi. Zomba: Government Printer.
- BIRD, A., 1975. Arabella Roupell. Pioneer artist of Cape flowers. Johannesburg: South Africa Natural History Publication.
- BLAIR RAINS, A. & MC KAY, A.D., 1968. The northern state lands, Botswana. Land Resource Study No. 5, Directorate of Overseas Surveys, Tolworth, pp. 125.
- BLAIR RAINS, A. & YALALA, A.M., 1972. The central and southern state lands, Botswana. Land Resource Study No. 11, Directorate of Overseas Surveys, Tolworth, pp. 118.
- BLOMMAERT, K.L.J., 1950. The plant *Tephrosia vogelii* Hook. as a freshwater fish poison. Trans. R. Soc. S. Afr. 32: 247-264.
- BOLTT, R.E., HILL, B.J. & FORBES, A.T., 1969. The benthos of some southern African Lakes. Part I: Distribution of aquatic macrophytes and fish in Lake Sibayi. Trans. R. Soc. S. Afr. 38: 241-248.
- BOLUS, H. & KENSIT, L., 1910. Contribution to the African flora. Trans. R. Soc. S. Afr., pp. 147-164.
- BOLUS, H. & WOLLEY-DOD, A.H., 1903. A list of the flowering plants and ferns of the Cape Peninsula, with notes on some of the critical species. Trans. S. Afr. phil. Soc. 14: 207-373.
- BOLUS, H., 1884. Contributions to South African botany. J. Linn. Soc. (Bot.) 20: 467-488.
- BOLUS, H., 1886. Sketch of the flora of South Africa. In Official Handbook of the Cape of Good Hope, pp. 286-317 Cape Town: Richards.
- BOLUS, H., 1888a. Contributions to South African botany. - Part 3. J. Linn. Soc. (Bot.) 24: 171-187.
- BOLUS, H., 1888b. Grundzuge der flora von Sudafrica. Leipzig: Quandt & Handel. pp. 43.
- BOLUS, H., 1889. Contributions to South African botany. - Part 4 (with a revised list of published species of extra-tropical South African orchids). J. Linn. Soc. (Bot.) 25: 156-210.
- BOLUS, H., 1894. Contributions to the flora of South Africa. 1 - Ericaceae. J. Bot., Lond. 32: 233-240.
- BOLUS, H., 1896. Contributions to the flora of South Africa. 2. J. Bot., Lond. 34: 16-25.
- BOLUS, H., 1905. Sketch of the floral regions of South Africa. In Flint, W. & Gilchrist, J.D.F., Science in South Africa, a handbook and review, pp. 198-240. Cape Town: Maskew Miller.
- BOLUS, H.M.L., BARCLAY, D. & STEER, E.J., 1936. A second book of South African flowers. Cape Town: Speciality Press.
- BORNMAN, H. & HARDY, D., 1971. Aloes of the South African veld. Johannesburg: Voortrekkerpers.
- BOSCH, O.J.H., 1971. 'n Ekologiese ondersoek van die plantegroei van 'n gedeelte van die laer Krokodilriviervallei noordwes van Thabazimbi, met besondere aandag aan die bodemkundige aspek. M.Sc. thesis, Potchefstroom University for CHE.
- BOSCH, O.J.H., 1974. Die wisselwerking tussen die habitat en 'n aantal grasmenskappe in die suidoostelike Oranje-Vrystaat. D.Sc. thesis, Potchefstroom University for CHE.
- BOSS, G., 1924. Aus den pflanzenleben Sudwest-Afrikas. Windhoek: John Meinert. pp. 145.
- BOSS, G. & GREEF, M.H., 1937. Oor die plantegroei van Suidwes-Afrika. Windhoek: John Meinert. pp. 206.
- BOUCHER, C., 1972. The vegetation of the Cape Hangklip area. M.Sc. thesis, University of Cape Town.
- BOUCHER, C., 1974. Dune vegetation in the south-western Cape. Veld & Flora 4: 67-69.
- BOUGHEY, A.S., 1956. The vegetation types of the Federation. Proc. Trans. Rhod. scient. Ass. 45: 73-91.
- BOUGHEY, A.S., 1961. The vegetation types of Southern Rhodesia: a re-assessment. Proc. Trans. Rhod. scient. Ass. 49: 54-98.
- BOUGHEY, A.S., 1963. The explosive development of a floating weed vegetation on Lake Kariba. Adansonia 3: 49-61.
- BOUGHEY, A.S., 1964a. A check-list of the trees of Southern Rhodesia. J. S. Afr. Bot. 30: 151-176.
- BOUGHEY, A.S., 1964b. Deciduous thicket communities in Northern Rhodesia. Adansonia 4: 239-261.
- BOUGHEY, A.S., 1965. Early shore line vegetation on Lake Kariba. Lake Kariba Fish Res. Inst. Symp., Kariba.
- BOWIE, J., 1830. Sketches of the botany of South Africa. S. Afr. Quart. J. 1: 27-36.
- BOWMAKER, A.P., 1968. Preliminary observations on some aspects of the hydrobiology of the Sinamwenda Estuary, Lake Kariba. Proc. Trans. Rhod. scient. Ass. 53: 3-8.
- BOWMAKER, A.P., 1973a. Hydrophyte dynamics in Mwenda Bay, Lake Kariba. Kariba Studies 3: 42-59.
- BOWMAKER, A.P.M., 1973b. A hydrobiological study of the Mwenda River and its mouth, Lake Kariba. Ph.D. thesis, University of the Witwatersrand.
- BRASS, L.J., 1948. Plant hunting in Nyasaland. J. N.Y. bot. Gdn 49: 105-119 & 129-137.
- BRASS, L.J., 1953. Vegetation of Nyasaland. Report of the Vernay Nyasaland expedition of 1946. Mem. N.Y. bot. Gdn 8: 161-190.
- BREDENKAMP, G.J., 1975a. 'n Plantsosiologiese studie van die Suikerbosrandnatuurrreservaat. M.Sc. thesis, University of Pretoria.
- BREDENKAMP, G.J., 1975b. Plant communities of the Suikerbosrand Nature Reserve, Transvaal. S. Afr. J. Sci. 71: 30-31.
- BREEN, C.M., 1971. An account of the plant ecology of the dune forest at Lake Sibayi. Trans. R. Soc. S. Afr. 39: 223-234.
- BREEN, C.M., 1973. Ecological implications of recent research on the genus *Volvox*. News Lett. Limnol. Soc. sth. Afr. No. 20, pp. 23-27.
- BREEN, C.M. & HEEG, J., 1974. Pongola research 1974: progress report. St Lucia Documentation Centre, Natal Parks Boards, St Lucia Estuary.

- BREEN, C.M. & HILL, B.J., 1969. A mass mortality of mangroves in Kosi Estuary. *Trans. R. Soc. S. Afr.* 38: 285-303.
- BREEN, C.M. & JONES, I.D., 1971. A preliminary list of Angiosperms collected in the vicinity of Lake Sibayi. *Trans. R. Soc. S. Afr.* 39: 235-245.
- BREMEKAMP, C.E.B., 1932. Merkwürdige sukkulententypen aus dem nördlichen Transvaal. *Vegetationsbilder* 23: 13-18.
- BREMEKAMP, C.E.B., 1933. New or otherwise noteworthy plants from the northern Transvaal. *Ann. Transv. Mus.* 15: 233-264.
- BREMEKAMP, C.E.B., 1935. Scientific results of the Vernay-Lang Kalahari expedition, March to September, 1930. Views of the vegetation of the central Kalahari. *Ann. Transv. Mus.* 16: 457-458.
- BREMEKAMP, C.E.B. & OBERMEYER, A.A., 1935. Scientific results of the Vernay-Lang Kalahari Expedition, March to September, 1930. Sertum Kalahariense, a list of the plants collected. *Ann. Transv. Mus.* 16: 399-442.
- BRENAN, J.P.M. et al., 1953. Plants collected by the Vernay Nyasaland Expedition of 1946. *Mem. N.Y. bot. Gdn* 8: 191-256.
- BRENAN, J.P.M. et al., 1954. Plants collected by the Vernay Nyasaland Expedition of 1949. *Mem. N.Y. bot. Gdn* 9: 1-132.
- BRITTEN, J. et al., 1894. The plants of Milanji, Nyasaland, collected by Mr Alexander Whyte. *Trans. Linn. Soc. Lond.* 4.2: 1-67.
- BROEKHUYSEN, G.J. & TAYLOR, H., 1959. The ecology of South African estuaries. Part 8. Kosi Bay estuary system. *Ann. S. Afr. Mus.* 44: 279-296.
- BROOMBERG, B., 1973. Trees of the Gwaai Valley. *Trees S. Afr.* 25: 43-47.
- BROTHERUS, V.F., 1913. Musci in Brunnth. *Ergebh. einer botanischen Forschungsreise nach Deutsch-Ostafrika und Südafrika. Denkschr. Akad. Wiss., Wien* 88: 734-743.
- BROWN, A.C., 1953. A preliminary investigation of the ecology of the larger Kleinmond River estuary, Bathurst district. M.Sc. thesis, Rhodes University.
- BROWN, A.C., 1959. The ecology of South African estuaries. 9. Notes on the estuary of the Orange River. *Trans. R. Soc. S. Afr.* 35: 463-473.
- BROWN, D., 1954. Methods of surveying and measuring vegetation. *Bull. Commonw. Bur. Past. Fld Crops* No. 42, pp. 223.
- BROWN, H.D., 1970. From the Caprivi to the Cunene. *Jl S. Afr. biol. Soc.* 11: 29-31.
- BROWN, L., 1965. *Africa. A natural history.* New York: Random House. pp. 300.
- BROWN, M.E., 1971. Water abstraction and conservation of aquatic habitats. *News Lett. Limnol. Soc. sth. Afr.* No. 17, pp. 10-12.
- BROWN, N.E., 1909. A list of plants collected in Ngamiland and Chobe. *Bull. misc. Inf. R. bot. Gdns Kew* 3: 89-146.
- BRUTON, M.N. & APPLETON, C.C., 1975. Survey of Mgobezeleni Lake system in Zululand, with a note on the effect of a bridge on the mangrove swamp. *Trans. R. Soc. S. Afr.* 41.3: 283-294.
- BRYNARD, A.M., 1961. A supplementary check-list of plants recorded in the Kruger National Park. *Koedoe* 4: 110-116.
- BRYNARD, A.M. & PIENAAR, U. DE V., 1960. Annual report of the biologist, Kruger National Park, 1958/1959. *Koedoe* 3: 1-205.
- BUHNEN, A., 1974. Sketches of certain flora from St Lucia and surrounding area. (Mapelane: Dukuduku). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- BUITENDAG, E., 1973. Vegetation of the Lowveld. *J. bot. Soc. S. Afr.* 59: 45-50.
- BUNBURY, C.J.F., 1842. Botanical excursions in South Africa. *Hooker, Lond. J. Bot.* 1: 549-570.
- BUNBURY, C.J.F., 1843. Botanical excursions in South Africa. *Hooker, Lond. J. Bot.* 2: 15-41.
- BUNBURY, C.J.F., 1844. Botanical excursions in South Africa. *Hooker, Lond. J. Bot.* 3: 242-263.
- BUNYARD, E.A., 1927. Two valleys in the western Cape Province. *Gdnrs Chron.* 82: 110-111.
- BURCHELL, W.J., 1824. Travels in the interior of Southern Africa. Vol. 2. London: Longman. pp. 648.
- BURGER, G., 1972. Rochdale. *Trees S. Afr.* 24: 58-66.
- BURMANN, N.L., 1768. *Florae Capensis Prodrromus.* In Burmann, N.L., *Flora Indica*, pp. 1-28. Leyden: Haek.
- BURTT DAVY, J., 1903. Notes on the vegetation of the Transvaal. *Science* 63: 696-699.
- BURTT DAVY, J., 1905. Comparative notes on the vegetation of Matebeleland, Bechuanaland and the Transvaal. *Transv. agric. J.* 4: 134-141.
- BURTT DAVY, J., 1907. Native trees of the Transvaal. *Transv. agric. J.* 5: 413-433.
- BURTT DAVY, J., 1908. Notes on some Transvaal trees and shrubs. *Bull. misc. Inf. R. bot. Gdns Kew* 4: 145-175.
- BURTT DAVY, J., 1917. Proposal for an organized botanical survey of South Africa. *Rep. S. Afr. Ass. Advmt Sci.* 15: 64-82.
- BURTT DAVY, J., 1918. Additions and corrections to the recorded flora of the Transvaal and Swaziland. *S. Afr. J. Sci.* 15: 507-571.
- BURTT DAVY, J., 1926. A manual of the flowering plants and ferns of the Transvaal with Swaziland. Part 1. London: Longmans. pp. 529.
- BURTT DAVY, J., 1930a. Botanical notes on Empire trees. 1. *Emp. For. J.* 9: 116-124.
- BURTT DAVY, J., 1930b. Botanical notes on Empire trees. 2. *Emp. For. J.* 9: 267-271.
- BURTT DAVY, J., 1931. Botanical notes on Empire trees. 3. *Emp. For. J.* 10: 106-112.
- BURTT DAVY, J., 1932. A manual of the flowering plants and ferns of the Transvaal with Swaziland. Part 2. London: Longmans.
- BURTT DAVY, J., 1935. A sketch of the forest vegetation and flora of tropical Africa. *Emp. For. J.* 14: 191-201.
- BURTT DAVY, J., 1938. The classification of tropical woody vegetation types. *Imperial Forestry Institute Paper* 13, pp. 85.
- BURTT DAVY, J. & LEENDERTZ, R., 1908. First annotated catalogue of the vascular plants of the Transvaal and Swaziland. *Rep. S. Afr. Ass. Advmt Sci.* 6: 230-236.
- BURTT DAVY, J. & POTT-LEENDERTZ, R., 1912. A first check-list of the flowering plants and ferns of the Transvaal and Swaziland. *Ann. Transv. Mus.* 3: 119-182.
- CAIN, G.R., 1964. A preliminary investigation of some aspects of the pre-rain flora of the Witwatersrand. B. Sc. Hons thesis, University of the Witwatersrand.
- CAMPBELL, D.H., 1926. Outline of plant geography. (South Africa, pp. 306-321.). London: MacMillan. pp. 392.
- CAMPBELL, G.G., 1969. A review of scientific investigations of the Tongaland area of northern Zululand. *Trans. R. Soc. S. Afr.* 38: 305-316.
- CAMPBELL, G.K., 1966. Woody plants of the Kenneth Stainbank Nature Reserve, Durban. *Lammergeyer* 6: 47-62.
- CANNON, W.A., 1924. General and physiological features of the vegetation of the more arid portions of South West Africa, with notes on the climatic environment. *Yb. Carnegie Instn Wash.* 354, pp. 159.
- CARR, J.D., 1972. The Richtersveld visited. *Trees S. Afr.* 24: 30-43 & 56.
- CARR, J.D., 1973. In search of *Acacia montis-usti*. *Trees S. Afr.* 25: 2-10.
- CARR, J.D., 1975a. Pyramid revisited. *Trees S. Afr.* 27: 58-59.
- CARR, J.D., 1975b. Visit to Timbavati. *Trees S. Afr.* 27: 74-75.
- CARRUTHERS, W., 1894. The plants of Milanji, Nyasaland, collected by Mr Alexander Whyte. Introduction. *Trans. Linn. Soc. Lond. Bot.* 4: 1-4.
- CATER, J.C., 1954. The Nyika Plateau, Nyasaland. *Oryx* 2: 298-302.
- CHAPMAN, J., 1971a. Travels in the interior of South Africa 1849-1863. Hunting and trading journeys from Natal to Walvis Bay and visits to Lake Ngami and Victoria Falls. Edited from the original manuscript by E.C. Tabler. Part 1. Cape Town: Balkema. pp. 258.
- CHAPMAN, J., 1971b. Travels in the interior of South Africa 1849-1863. Hunting and trading journeys from Natal to Walvis Bay and visits to Lake Ngami and Victoria Falls. Edited from the original manuscripts by E.C. Tabler. Part 2. Cape Town: Balkema. pp. 244.
- CHAPMAN, J.D., 1962. The vegetation of the Mlanje Mountains, Nyasaland: a preliminary account with particular reference to the *Widdringtonia* forests. Zomba: Government Printer.

- CHAPMAN, J.D., 1968. Malawi. Acta phytogeogr. succ. 54: 215-224.
- CHAPMAN, V.J., 1970. Mangrove phytosociology. Bull. int. Soc. trop. Ecol. 11: 1-19.
- CHOLNOKY, B.J., 1953. Studie der Ökologie der diatomeen eines eutrophen subtropischen Gewässers. Ber. dt. bot. Ges. 66: 346-356.
- CHOLNOKY, B.J., 1954a. Algae flora in the Mogol River in north-east Transvaal. Ost. Bot. Z. 101: 118-139.
- CHOLNOKY, B.J., 1954b. Diatomeen und einige andere Algen aus dem De Hoek-Reservaat in Noord-Transvaal. Bot. Notiser 107: 269-296.
- CHOLNOKY, B.J., 1954c. Neue und seltene Diatomeen aus Afrika. 2. bot. Z. 101: 407.
- CHOLNOKY, B.J., 1954d. Diatomeen aus Sud-Rhodesien. Port. Acta biol. Ser. B 4: 197-228.
- CHOLNOKY, B.J., 1955a. Diatomeen aus salzhaltigen binnengewässern der westlichen Kaap-Provinz in Südafrika. Ber. dt. bot. Ges. 67: 11-23.
- CHOLNOKY, B.J., 1955b. Hydrobiologische untersuchungen in Transvaal. I. Hydrobiologia 7: 137-209.
- CHOLNOKY, B.J., 1956. Neue und seltene Diatomeen aus Afrika. 2. Diatomeen aus dem Tugela-gebiete in Natal. Ost. bot. Z. 103: 53-97.
- CHOLNOKY, B.J., 1957a. Neue und seltene Diatomeen aus Afrika. 3. Diatomeen aus dem Tugela-Fluss system hauptsächlich aus den Drakensbergen in Natal. Ost. bot. Z. 104: 25-99.
- CHOLNOKY, B.J., 1957b. Über die Diatomeen-flora einiger Gewässer in den Magalies-Bergen nahe Rustenburg, Transvaal. Bot. Notiser 110: 325-362.
- CHOLNOKY, B.J., 1957c. Beiträge zur Kenntnis der südafrikanischen Diatomeenflora. Port. Acta biol. Ser. B 6: 53-93.
- CHOLNOKY, B.J., 1958a. Beiträge zur kenntnis der Südafrikanischen Diatomeenflora. II. Einige Gewässer im Waterberggebiet, Transvaal. Port. Acta biol. 6,2: 99-153.
- CHOLNOKY, B.J., 1958b. Beitrag zu den Diatomeenassoziationen Sumpfes Olifantsvlei, sudwest liche Johannesburg. Ber. dt. bot. Ges. 71: 177-178.
- CHOLNOKY, B.J., 1958c. Einige Diatomeen-Assoziationen aus Südwestafrika. Senckenberg. biol. 39,5-6: 315-324.
- CHOLNOKY, B.J., 1958d. Hydrobiologische Untersuchungen in Transvaal. II. Selbstreinigung im Jukskei-Crocodile Fluss-system. Hydrobiologia 2,34: 205-206.
- CHOLNOKY, B.J., 1959. Neue und seltene Diatomeen aus Afrika 4. Diatomeen aus der Kaap-Provinz. Ost. bot. Z. 106: 1-69.
- CHOLNOKY, B.J., 1960a. Beiträge zur kenntnis der ökologie der Diatomeen in dem Swartkops-Bache nahe Port Elizabeth. (Südost-Kaapland). Hydrobiologia 16: 229-287.
- CHOLNOKY, B.J., 1960b. Beiträge zur kenntnis der Diatomeenflora von Natal. Nova Hedwigia 2: 1-28.
- CHOLNOKY, B.J., 1960c. The relationship between algae and the chemistry of natural waters. CSA/CCTA Publs No. 64, pp. 215-225.
- CHOLNOKY, B.J., 1962a. Beiträge zur kenntnis der Diatomeen in Ost-Transvaal. Hydrobiologia 19,1: 57-119.
- CHOLNOKY, B.J., 1962b. Ein Beitrag zu der ökologie der Diatomeen in dem englischen Protektorat Swasiland. Hydrobiologia 20: 309-395.
- CHOLNOKY, B.J., 1962c. Beiträge zur kenntnis der Südafrikanischen Diatomeenflora III: Diatomeen aus der Kaap-Provinz. Revta Biol.,Lisb. 3: 1-80.
- CHOLNOKY, B.J., 1963. Beiträge zur kenntnis des Marrien Litoral von Südafrika. Botanica mar. 5: 38-83.
- CHOLNOKY, B.J., 1968. Die Diatomeenassoziationen der Santa-Lucia-Lagune in Natal (Südafrika). Botanica mar. suppl., pp. 127.
- CHOLNOKY, B.J., 1970. Die diatomeenassoziationen im Nonoti-Bach in Natal, Südafrika. Nova Hedwigia 31: 313-329.
- CHOLNOKY, B.J. & CLAUS, G., 1961. Beiträge zur Kenntnis der Algenflora und der ökologie der diatomeen in dem Stausee Wemmershoek Dam nahe Kapstadt. Ost. bot. Z. 108: 325-350.
- CHUTTER, F.M., 1968. Contributions to the ecology of the Sundays River. M.Sc. thesis, Rhodes University.
- CHUTTER, F.M., 1970. Hydrobiological studies in the catchment of Vaal Dam, South Africa. I. River zonation and the benthic fauna. Int. Revue ges. Hydrobiol. Hydrogr. 55: 445-494.
- CHUTTER, F.M., 1973. An ecological account of the past and future of South African rivers. News Lett. Limnol. Soc. sth. Afr. No. 21, pp. 22-34.
- CLEGHORN, W.B., 1961. Vegetation of Gokwe District. Gokwe symposium (unpublished).
- CLEGHORN, W.B., 1969. Some factors affecting vegetation. Rhod. Sci. News. 3: 327-329.
- CLIFFORD, B.E.H., 1930. A reconnaissance of the Great Makarikari Lake. Geogr. J. 75: 16-26.
- CODD, L.E.W., 1951. Trees and shrubs of the Kruger National Park. Mem. bot. Surv. S. Afr. No. 26, pp. 192.
- CODD, L.E.W., 1952. The results of an ecological survey of the Union of South Africa. Proc. 6th Int. Grassld Congr. 1, pp. 596-601.
- CODD, L.E., 1968. Progress with Flora of Southern Africa. Acta phytogeogr. succ. 54: 294-295.
- COELHO, H.P., 1964. Contribuição para o conhecimento da composição florística e possibilidade de uma zona compreendida entre os Rios Cubango, Cuanene e Quatir. Agronomia angol. 20: 49-82.
- COELHO, H.P., 1966. Manchas florestais de *Ricinodendron rautanenii* Schinz (Mangongo) no distrito do Cuado-Cubango (Estudo prevlo). Agronomia angol. 24: 33-64.
- COETSEE, G. & LE ROUX, D.P., 1971. Polygonal plot method for estimating the canopy-spread cover of shrubs. Proc. Grassld Soc. sth. Afr. 6: 176-180.
- COETZEE, B.J., 1972. 'n Plantsosiologiese studie van die Jack Scott-Natuurreservaat. M.Sc. thesis, University of Pretoria.
- COETZEE, B.J., 1974a. A phytosociological classification of the Jack Scott Nature Reserve. Bothalia 11: 329-347.
- COETZEE, B.J., 1974b. Improvement of association analysis classification by Braun-Blanquet technique. Bothalia 11: 365-367.
- COETZEE, B.J., 1975. A phytosociological classification of the Rustenburg Nature Reserve. Bothalia 11: 561-580.
- COETZEE, B.J. & WERGER, M.J.A., 1973. On hierarchical syndrome analysis and the Zurich-Montpellier table method. Bothalia 11: 159-164.
- COETZEE, B.J. & WERGER, M.J.A., 1975a. On association-analysis and the classification of plant communities. Vegetatio 30: 201-206.
- COETZEE, B.J. & WERGER, M.J.A., 1975b. A west-east vegetation transect through Africa south of the Tropic of Capricorn. Bothalia 11: 539-560.
- COHEN, E., 1939. An account of the marine angiosperms of Inhaca, PEA. S. Afr. J. Sci. 36: 246.
- COHEN, S., 1938. Hydrophytic flora of the Jukskei River and a vlei at Frankenburg. University of the Witwatersrand.
- COHEN, S., 1939. A preliminary check-list of the flowering plants and ferns of parts of the Transvaal and the Orange Free State. M.Sc. thesis, University of the Witwatersrand.
- COKE, M. & POTT, R., 1970. The Pongola floodplain pans: plan for conservation. Combined Natal Parks Board & Transvaal Fisheries Institute Report, pp. 34.
- COLE, M.M., 1963. Vegetation nomenclature and classification with particular reference to the Savannas. S. Afr. geogr. J. 45: 3-14.
- COLVIN, P.M., 1972. Sociological studies on the plankton of the Pongola River flood plain. M.Sc. thesis, University of Natal.
- COMINS, D.M., 1953. An account of the plant ecology of the Albert Falls area of the Natal midlands. M.Sc. thesis, University of Natal.
- COMINS, D.M., 1962a. Vegetation. In Board, C., The Border Region - natural environment and land use in the eastern Cape, pp. 66-81. Cape Town: Oxford University Press.
- COMINS, D.M., 1962b. The vegetation of the districts of East London and King Williams Town, Cape Province. Mem. bot. Surv. S. Afr. No. 33, pp. 32.
- COMMISSION FOR THE SOCIO-ECONOMIC DEVELOPMENT OF THE BANTU WITHIN THE UNION OF SOUTH AFRICA, 1955. Veld types of the Bantu areas. Map 18. Pretoria: Government Printer, UG 61/1955.
- COMPTON, R.H., 1928. The wild flowers of South Africa. J. N.Y. bot. Gdn 29: 259-262.

- COMPTON, R.H., 1929a. The vegetation of the Karoo. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 40-67. Cape Town: Speciality Press.
- COMPTON, R.H., 1929b. The floristic features of the Karoo. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 68-70. Cape Town: Speciality Press.
- COMPTON, R.H., 1929c. The Archegoniatae of the south-west Cape. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp.71-80. Cape Town: Speciality Press.
- COMPTON, R.H., 1929d. The flora of the Karoo. S. Afr. J. Sci. 26: 160-165.
- COMPTON, R.H., 1929e. The vegetation of the Karoo. J. bot. Soc. S. Afr. 15: 13-21.
- COMPTON, R.H., 1931. The flora of the Whitehill district. Trans. R. Soc. S. Afr. 19: 269-329.
- COMPTON, R.H., 1932. Local nature reserves. J. bot. Soc. S. Afr. 18: 10-16.
- COMPTON, R.H., 1934. The flora of Africa. J. bot. Soc. S. Afr. 20: 16-18.
- COMPTON, R.H., 1940. Mountains and their vegetation. J. bot. Soc. S. Afr. 26: 12-14.
- COMPTON, R.H., 1966. An annotated check-list of the flora of Swaziland. J. S. Afr. Bot. suppl. No. 6: 1-182.
- COMPTON, R.H., 1968. Swaziland. Acta. phytogeogr. succ. 54: 256-257.
- CONE, G.B., 1973. The floras of the south-western part of South Africa. Tuatara 20: 160-164.
- COOPER, K.H., 1965. Shongweni Dam. Project Report. Wildlife Protection and Conservation Society, Durban.
- COOPER, K.H. & MOLL, E.J., 1968. Notes on an area of the Karkloof Forest, Natal. Afr. wild Life 22: 49-57.
- COTTRELL, C.B. & LOVERIDGE, J.P., 1966. Observations on the *Cryptosepalum* Forest of the Mwinilunga District of Zambia. Proc. Trans. Rhod. Scient. Ass. 51: 79-120.
- COURTENAY-LATIMER, M., SMITH, G.G., BOKELMAN, H., & BATTEN, A., 1967. The flowering plants of the Tsitsikama forest and coastal national park. Pretoria: National Parks Board.
- CRASS, R.S., 1970. Management problems at St Lucia Lake (water supply). Afr. wild Life 24: 36-48.
- CROOK, A.O., 1956. A preliminary vegetation map of the Melsetter Intensive Conservation Area, Southern Rhodesia. Rhodesia agric. J. 53: 3-25.
- CURSON, H.H., 1923. Outline of the floral regions of Zululand. S. Afr. J. Sci. 20: 323-347.
- CURSON, H.H., 1932. Notes on the flora of Ngamiland and Chobe. 1. Outline of the floral regions. Rep. vet. Res. Un. S. Afr. 18, pp. 1041-1060.
- CURSON, H.H., 1947. Notes on eastern Caprivi strip. S. Afr. J. Sci. 43: 124-157.
- DAHLGREN, R., 1963. Studies on *Aspalathus*. Phytogeographical aspects. Bot. Notiser 116: 432-472.
- DANIEL, J.B. McL, 1975. Survey of the Cape Midlands and karroo regions; a geographical analysis of farming. Vol. 5. Institute of Social and Economic Research, Rhodes University, pp. 107.
- DAY, J.H., 1952a. The ecology of South African estuaries. Part I. A review of estuarine conditions in general. Trans. R. Soc. S. Afr. 33: 53-91.
- DAY, J.H., 1952b. The ecology of South African estuaries. Bull. Natal Soc. Preserv. wild Life nat. Resorts 1,2: 5.
- DAY, J.H., 1959. The biology of Langebaan Lagoon: a study of the effect of shelter from wave action. Trans. R. Soc. S. Afr. 35: 475-547.
- DAY, J.H., 1965. Programme of ecological research in the St Lucia estuary system. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- DAY, J.H., 1967. The biology of Knysna Estuary South Africa. In Lauff, G. (ed.), Estuaries. Washington: Am. Assoc. Adv. Sci.
- DAY, J.H., 1970a. Estuarine ecology at the cross-roads or where do we go from here? News Lett. Limnol. Soc. sth. Afr. No. 15, pp. 19-29.
- DAY, J.H., 1970b. The biology of False Bay. Trans. R. Soc. S. Afr. 39,2: 211-221.
- DAY, J.H., 1974. The ecology of Morumbene estuary, Mocambique. Trans. R. Soc. S. Afr. 41: 43-97.
- DAY, J.H., MILLARD, N.A.H. & BROEKHUYSEN G.J., 1954. The ecology of South African estuaries. Part 4. The St Lucia system. Trans. R. Soc. S. Afr. 34: 129-156.
- DAY, J.H., MILLARD, N.A.H. & HARRISON, A.D., 1952. The ecology of South African estuaries. Part 3. Knysna: a clear open estuary. Trans. R. Soc. S. Afr. 33: 367-413.
- DAY, J.H. & MORGANS, J.F.C., 1956. The ecology of South African estuaries. Part 7. The biology of Durban Bay. Ann. Natal Mus. 13: 259-312.
- DE GUINGAND, F., 1951. Africa south of the Sahara. Cape Town: South African Institute of International Affairs & Oxford University Press. pp. 286.
- DE LIMA, A., 1923. Subsidiös para o estudo da flora de Mocambique. Bolm Soc. broteriana Ser. 2,2: 126-152.
- DE VILLIERS, A.F., 1968. Studying South African estuaries. Eastern Cape Naturalist 32: 3-5.
- DE VOS, M.S., 1953. The weeds of a few representative areas of the Rand. Johannesburg: University of Witwatersrand.
- DE VRIES, D.M., 1937. Methods used in scientific plant sociology and in agricultural botanical grassland research. Herb. Rev. 5,4: 187-191.
- DE WINTER, B., 1962. Plant life of the Namib Desert. S. Afr. biol. Soc. 3: 19-20.
- DE WINTER, B., 1971. Floristic relationships between the northern and southern arid areas in Africa. Mitt. bot. StSamml. Münch. 10: 424-437.
- DE WINTER, B., 1974. South African trees. S. Afr. For. J., No. 88, pp. 6-8.
- DE WINTER, B., DE WINTER, M., & KILICK, D.J.B., 1966. Sixty-six Transvaal trees. Pretoria: Department of Agricultural Technical Services. pp. 175.
- DE WINTER, B., DE WINTER, M., & KILICK, D.J.B., 1973. Know your trees. A selection of indigenous South African trees. Cape Town: Reader's Digest. pp. 32.
- DE WINTER, B. & VAHRMEIJER, J., 1972. The national list of trees. Pretoria: Van Schaik.
- DEETLEFS, P.P. DU T., 1953. Means of expressing and regulating density in forest stands. J. S. Afr. For. Ass. No. 23, pp. 1-12.
- DEETLEFS, P.P. DU T., 1954. The relationships between stand density, crown size and basal area growth in stands of *Pinus taeda* L. in the native habitat of this species. J. S. Afr. For. Ass. No. 24, pp. 1-28.
- DELF, E.M. & MICHELL, M.R., 1921. The Tyson collection of marine algae. Ann. Bolus Herb. 3,2: 89-119.
- DEVENISH, N.J., 1963. Checklist of plants occurring in the border area of the districts of Wakkerstroom and Utrecht. J. S. Afr. biol. Soc. 4: 44-63.
- DIELS, L., 1909. Formationen und Florenelemente in nord-westlichen Kapland. Bot. Jb. 44:91-124.
- DINIZ, A.C. 1960. O planalto de Camabetela. Uma caracteristice zona natural do norte de Angola. Agronomia angol. 23: 3-9.
- DINIZ, A.C., 1970. Zonas seleccionadas para Instalacao de M. Novas Unidades Acucareiras Angola. Nova Lisboa, Instituto de Investigacao Agronomica de Angola Serie Tecnica 17.
- DINIZ, A.C. & AGUIAR, F.Q. DE B., 1967. Regioes Naturais de Angola. Fomento. Lisboa 5,1: 45-50.
- DINTER, K., 1897. Botanising in South-West Africa. Gdnrs' Chron. 3,23: 338.
- DINTER, K., 1914. Neue und wenig bekannte pflanzen Deutsch-Sudwes-Afrikas, unter besonder Berücksichtigung der Succulenten. Okahandja: Im Selbstverlag. pp. 62.
- DINTER, K., 1921. Botanische Reisen in Deutsch-Sudwest-Afrika. Berlin: Repertorium specierum novarum regni vegetabilis. pp. 169. (Beih. Repert. Spec. nov. Regni veg. 3)
- DINTER, K., 1923a. Sukkulantenforschung in Sudwest-Afrika. Erlebnisse und Ergebnisse einer Reise im Jahre 1922. Berlin: repertorium specierum novarum regni vegetabilis. pp. 80 (Beih. Repert. Spec. nov. Regni veg. 23)
- DINTER, K., 1923b. Beitrage zur Flora von Sudwest-Afrika. Repert. Spec. nov. Regni veg. 19: 122-160 & 177-186.
- DINTER, K., 1928. Index der aus Deutsch-Sudwestafrika bis zum

- Jahre 1917 bekannt geworden Pflanzenarten. Repert. Spec. nov. Regni veg. 15:77-92, 340-355 & 426-433, 16:167-174, 239-247 & 361-368, 17:185-192, 258-265 & 303-311, 18:13-16, 248-256 & 423-444, 19:93-96, 187-192, 235-240 & 315-320, 20:314-316, 22:108-112 & 375-383, 23:130-137, 227-236 & 363-371, 24:13-16, 302-304 & 366-368 & 25:49-51 & 209-210.
- DINTER, K., 1931. Diagnosen neuer sudwestafrikanischer Pflanzen. Repert. Spec. nov. Regni veg. 29: 253-272.
- DOING, H., 1970. The use of phytosociological methods in various parts of the world. *Belmontia* 12: 53-62.
- DOVE, K., 1893. Mittheilung über das südliche Damaraland. *Verh. Ges. Erdk. Berl.* 20: 399-402.
- DOWNING, B.H., 1966. The plant ecology of Tabamhlope Vlei, Natal. M.Sc. thesis, University of Natal.
- DOWNING, B.H., 1968. Notes on the ecology of Natal Highlands sourveld vleis. *Proc. Grassld Soc. sth. Afr.* 3: 131-134.
- DOWNING, B.H., 1972. A plant ecological survey of the Umfolozi Game Reserve, Zululand. Ph.D. thesis, University of Natal.
- DRÉGE, I.L., 1913. Preliminary list of flowering plants, ferns and fern allies, found in the Port Elizabeth district. *Rep. S. Afr. Ass. Advmt Sci.* 9: 151-175.
- DRÉGE, J.F., 1840. *Catalog Sudafrikanischer Getroekeneter Pflanzen*. Hamburg. pp. 16.
- DRÉGE, J.F. 1847a. Standorten-Verzeichnis der von C.L. Zeyher in Sud Afrika gesammelten pflanzen. *Linnaea* 19: 583-598.
- DRÉGE, J.F. 1847b. Vergleichungen der von Ecklon und Zeyher und von Drege gesammelten sudafrikanischen Pflanzen mit den Exemplaren von Zeyher's neuesten Sammlungen. *Linnaea* 19: 599-680.
- DRÉGE, J.F., 1847c. *Herbarien der sud afrikanischen aussertrophischen Flora*. Hamburg. pp. 25.
- DRUMMOND, R.B., 1972. A list of Rhodesian legumes. *Kirkia* 8: 209-229.
- DRUMMOND, R.B., 1975. A list of trees, shrubs and woody climbers indigenous or naturalised in Rhodesia. *Kirkia* 10: 229-285.
- DRUMMOND, R.B. & COATES PALGRAVE, K., 1973. *Common trees of the Highveld*. Salisbury: Longman Rhodesia. pp. 99.
- DU PLESSIS, C.J., 1973. 'n Floristies-ekologiese studie van die plaas Doornkop in die distrik Middelburg, Transvaal. M.Sc. thesis, University of Pretoria.
- DU PREEZ, C.M.R., 1973. The production potential of Karoo veld: growth and yield of Karoo bush and reaction to pruning. *Agric. Res., Pretoria*. pp. 153-154.
- DURAND, T. & SCHINZ, H., 1898. *Conspectus Florae Africae*. *Bull. Jard. bot. Etat Brux.* 1,2: 268 & 5: 959.
- DUTHIE, A.V., 1929. The vegetation and flora of the Stellenbosch Flats. *Annale Univ. Stellenbosch Serie A* 7,4: 1-59.
- DUTHIE, A.V., 1930. List of vascular cryptogams and flowering plants of the Stellenbosch flats. *Annale Univ. Stellenbosch Serie A* 8,4: 1-52.
- DYER, R.A., 1932. Notes on the flora of southern Africa. *Bull. misc. Inf. R. Bot. Gdns Kew* 3: 152-155 & 9: 443-450.
- DYER, R.A., 1937. The vegetation of the divisions of Albany and Bathurst. *Mem. bot. Surv. S. Afr. No.* 17, pp. 138.
- DYER, R.A., 1938. Botanical exploration in South Africa. *Cactus Succ. J., Los Ang.* 8: 199-201 & 9: 68-70, 83-85, 99-100, & 123-125.
- DYER, R.A., 1940. A collecting trip for euphorbias. *Cactus Succ. J., Los Ang.* 12: 131-135.
- DYER, R.A., 1952. A review of the literature on plant ecology of the arid and semi-arid areas of Angola, South West Africa Bechuanaland and the Union of South Africa. *Arid zone Programme, UNESCO, Paris*, pp. 23.
- DYER, R.A., 1955a. Structural and physiological features of the vegetation of arid and semi-arid areas of the Union of South Africa. In *Plant ecology, proceedings of the Montpellier symposium, UNESCO, Paris. Arid Zone Research No. 5*.
- DYER, R. A., 1955b. Angola, South-West Africa, Bechuanaland and the Union of South Africa. In *Plant Ecology. Reviews of Research*. pp. 195-218. UNESCO, Paris. *Arid Zone Research No. 6*.
- DYER, R.A., 1961. The contemporary scene in South African botany. *S. Afr. J. Sci.* 57: 265-272.
- DYER, R.A., 1966. Impressions on the subject of the age and origin of the Cape Flora. *S. Afr. J. Sci.* 62: 187-190.
- ECKLON, C.F. 1827. Exkursion nach dem Tafelberge auf dem kap der guten Hoffnung. *Flora* 10: 417-427.
- ECKLON, C.F., 1830. A list of plants found in the district of Uitenhage between the months of July 1829 and February 1830. *S. Afr. Quart. J.* 1: 358-380.
- EDWARDS, D., 1964. A plant ecological survey of the Tugela River Basin, Natal. Ph.D. thesis, University of Natal.
- EDWARDS, D., 1967. A plant ecological survey of the Tugela River Basin, Natal. *Mem. bot. Surv. S. Afr. no.* 36, pp. 285.
- EDWARDS, D., 1968. Survey of conserved areas in South Africa. *Afr. wild Life* 22: 294-298.
- EDWARDS, D., 1969. Some effects of siltation upon aquatic macrophyte vegetation in rivers. *Hydrobiologia* 34: 29-37.
- EDWARDS, D. & MUSIL, C.F., 1975. *Eichhornia crassipes* in South Africa - a general review. *J. Limnol. Soc. sth. Afr.* 1,1: 23-27.
- EDWARDS, D. & NEL, M.D.S., 1972. A reconnaissance survey of aquatic macrophytes in the Upper River Catchment. *Civ. Engr S. Afr.* 14,2: 85-88.
- EICKER, A., 1968. An ecological survey of the soil mycoflora of two forest communities in Zululand. D.Sc. thesis, Potchefstroom University for CHE.
- ELIOVSON, S., 1962. Discovering wild flowers in Southern Africa. Cape Town: Timmins.
- ELIOVSON, S., 1972. Namaqualand in flower. Johannesburg: MacMillan.
- ENGLER, A., 1889. *Plantae Marlothianae: ein Beitrag zur kenntnis der Flora Sudafrikas*. *Bot. Jb.* 10: 1-50 & 242-285.
- ENGLER, A., 1892. Über die Hochgebirgsflora des tropischen Afrika. Berlin: Abhandlungen der Preussischen Akademie der Wissenschaften, pp. 1-461.
- ENGLER, A., 1903. Über die Frühlingsflora des Tafelberges bei Kapstadt. *Notizbl. bot. Gart. Mus. Berl. suppl.* 9, pp. 58.
- ENGLER, A., 1904. Plants of the northern temperate zone in their transition to the high mountains of tropical Africa. *Ann. Bot.* 18: 523-540.
- ENGLER, A., 1906. Beiträge zur kenntnisse der Pflanzenformationen von Transvaal und Rhodesia. *Sber. preuss. Akad. Wiss.* 52: 866-906.
- ENGLER, A., 1908. *Pflanzengeographische Gliederung von Afrika*. *Sber. preuss. Akad. Wiss.* 38: 781-837.
- ENGLER, A., 1910. Die Pflanzenwelt Afrikas insbesondere seiner tropischen Gebiete. band 1. Leipzig: Engelmann. pp. 478.
- ENGLER, A., 1912. Beiträge zur flora von Afrika. *Bot. Jb.* 46: 1-292.
- ENGLER, A., 1915. Die Pflanzenwelt Afrikas insbesondere seiner tropischen Gebiete. Band 3. Leipzig: Engelmann. pp. 869.
- ERNST, W.H.O., 1974. *Schwermetallvegetation der Erde*. Stuttgart: Fischer.
- ERTL, M., 1971. A qualitative method of sampling periphyton from rough substrates. *Limnol. Oceanogr.* 16: 576-577.
- EVANS, D.S., DEEMING, T.J., EVANS, B.H. & GOLDFARB, S., 1969. *Herschel at the Cape*. Austin University of Texas Press. pp. 398.
- EXELL, A.W., 1938. Dr Carriso's botanical mission to Angola. *J. Bot., Lond.* 76: 121-134.
- EXELL, A.W., 1957. La Vegetation de l'Afrique Tropicale Australe. *Bull. Soc. r. Bot. Belg.* 89: 101-106.
- EXELL, A.W., 1960. History of botanical collecting in the Flora Zambesiaca area. In Exell, A.W. & Wild, H. (eds), *Flora Zambesiaca* 1: 23-34.
- EXELL, A.W. & GONCALVES, M.L., 1973. A statistical analysis of a sample of the flora of Angola. *Garcia de Orto, Ser. Bot.* 1: 105-128.
- EXELL, A.W. & MENDONCA, F.A., 1951. Novdades da flora de Angola. *Bolm Soc. broteriana* 25: 101-112.
- EXELL, A.W. & WILD, H., 1962. A statistical analysis of a sample of the Flora Zambesiaca. *Kirkia* 2: 108-130.
- EYLES, F., 1912. Preliminary list of the plants of Southern Rhodesia. *S. Afr. J. Sci.* 8: 277-321.
- EYLES, F., 1917. A record of plants collected in Southern Rhodesia. *Trans. R. Soc. S. Afr.* 5: 273-564.
- EYLES, F., 1921. Constituents of the flora of Southern Rhodesia. *S. Afr. J. Sci.* 17: 181-184.
- EYLES, F., 1927. Ecological notes on the flora of Salisbury Commonage. *S. Afr. J. Sci.* 24: 289-297.
- EYRE, S.R. (ed.), 1971. *World vegetation types*. London: Macmillan. pp. 264.

- FALCONER, A.C., 1973. The phytoplankton ecology of Lake Mc Ilwaine, Rhodesia. M. Phil. thesis, University of London.
- FANSHAWE, D.B., 1964. Vegetational classification. For. Newsl. Zambia 99: 6-7.
- FANSHAWE, D.B., 1968a. The vegetation of the Copperbelt. Forest Research Bulletin 20, Division of Forest Research, Lusaka, pp. 47.
- FANSHAWE, D.B., 1968b. The vegetable ivory palm - *Hyphaene ventricosa* Kirk - its ecology, silviculture and utilisation. Kirkia 6: 105-116.
- FANSHAWE, D.B., 1968c. Vegetation of Lusaka - Feira district. Forest Research Pamphlet No. 13, Division of Forest Research, Lusaka, pp. 18.
- FANSHAWE, D.B., 1968d. The vegetation of Sesheke district. Forest Research Pamphlet No. 16, Division of Forest Research, Lusaka No. pp.14.
- FANSHAWE, D.B., 1968e. The vegetation of Zambian termitaria. Kirkia 6: 169-179.
- FANSHAWE, D.B., 1968f. The vegetation of Kabwe district. Forest Research Pamphlet No. 17, Division of Forest Research, Lusaka, pp. 30.
- FANSHAWE, D.B., 1968g. Vegetation of the Solwezi district. Forest Research Pamphlet No. 18, Division of Forest Research, Lusaka.
- FANSHAWE, D.B. 1969a. The vegetation of Zambia. Forest Research Bulletin 7, Kitwe; Zambia. pp. 67.
- FANSHAWE, D.B., 1969b. The vegetation of the Gwembe district. Forest Research Pamphlet No. 21, Division of Forest Research, Lusaka, pp.24
- FANSHAWE, D.B., 1969c. The vegetation of the Kalabo district. Forest Research. Pamphlet. No. 22, Division of Forest Research, Lusaka, pp. 19.
- FANSHAWE, D.B., 1969d. The vegetation of the Mongu-Lealui district. Forest Research Pamphlet. No. 23, Division of Forest Research, Lusaka, pp. 15.
- FANSHAWE, D.B. & MUTIMUSHI J.M., 1969. A checklist of plant names in the Nyanji languages. Forest Research Bulletin 21, Division of Forest Research, Lusaka,.
- FARINI, G.A., 1885. Die Kalahari. Verh. Ges. Erdk. Berl. 12: 445-461.
- FARINI, G.A., 1886. A recent joirney in the Kalahari. Proc. R. Geogr Soc. 8: 437-450.
- FARRELL, J.A.K., 1968a. Preliminary notes on the vegetation of the lower Sabi-Lundi basin, Rhodesia. Kirkia 6: 223-248.
- FARRELL, J.A.K., 1968b. Preliminary notes on the vegetation of southern Gokwe district, Rhodesia. Kirkia 6: 249-257.
- FFOLIOT, P. & LIVERSIDGE, R., 1971. Ludwig Krebs. Cape Naturalist to the King of Prussia. 1792-1844. Cape Town: Balkema.
- FICALHO, CONDE DE, 1884. Plantas teis da Africa Portuguesa. Lisboa: Imprensa Nacional. pp. 279.
- FIELD, J.G., 1970. The use of numerical methods to determine benthic distribution patterns from dredgings in False Bay. Trans. R. Soc. S. Afr. 39: 183-200.
- FLUGGE-DE SMIDT, R.A.H., 1947. Flowers by the roadside. Johannesburg: Swan.
- FORBES, H.M.L., 1920. An account of the flora of the Malvern district. S. Afr. J. nat. Hist. 2: 195-208.
- FORBES, H.M.L., 1921. The flora of Isipingo. S. Afr. J. Sci. 18: 348-358.
- FORBES, H.M.L., 1923. A note of the flora of Salisbury Island (Durban Bay). S. Afr. J. Sci. 20: 304-308.
- FOURCADE, H.G., 1934. Contributions to the flora of the Knysna and neighbouring divisions. Trans. R. Soc. S. Afr. 21: 75-102.
- FOURCADE, H.G., 1941. Check-list of the flowering plants of the divisions of George, Knysna, Humansdorp and Uniondale. Mem. bot. Surv. S. Afr. No. 20, pp. 127.
- FOURIE, J., 1972. Ecology of De Wet's-Bay. Veld & Flora 2: 20.
- FRITSCH, F.E., 1918. Contributions to our knowledge of the freshwater algae, mostly from the Cape Peninsula in the Herbarium of the South African Museum. Ann. S. Afr. Mus. 9: 483-611.
- FRITSCH, F.E. & RICH, F., 1924. Contributions to our knowledge of the freshwater algae of Africa. 4. Freshwater and subaerial algae from Natal. Trans. R. Soc. S. Afr. 11: 297-398.
- FRITSCH, F.E. & RICH, F., 1929. Contributions to our knowledge of the freshwater algae of Africa. 13. Trans. R. Soc. S. Afr. 25: 153-228.
- FRITSCH, F.E. & RICH, F., 1930a. Contributions to our knowledge of the freshwater algae of Africa. 7. Freshwater algae from Griqualand West. Trans. R. Soc. S. Afr. 18: 1-92.
- FRITSCH, F.E. & RICH, F., 1930b. Contributions to our knowledge of the freshwater algae of Africa. 8. Bacillariales (diatoms) from Griqualand West. Trans. R. Soc. S. Afr. 18: 93-123.
- FRITSCH, F.E. & STEPHENS, E., 1921. Contributions to our knowledge of the freshwater algae of Africa. 3. Freshwater algae mainly from the Transkei territories, Cape Colony. Trans. R. Soc. S. Afr. 9: 1-72.
- FURNESS, H.D., 1974. Eutrophication studies in the catchment areas of Midmar Dam. M.Sc. thesis, University of Natal.
- GALPIN, E.E., 1909. A contribution to the knowledge of the flora of the Drakensberg. Rep. S. Afr. Ass. Advmt Sci. 6: 209-229.
- GALPIN, E.E., 1926. Botanical survey of the Springbok Flats, Transvaal. Mem. bot. Surv. S. Afr. No. 12, pp. 100.
- GANDOGHER, M., 1913. L'herbier africain de Sonder. Bull. Soc. bot. France 60: 414-422 & 445-462.
- GARABEDIAN, S., 1925. Contributions to a knowledge of the flora of South West Africa. I. List of grasses. Ann. S. Afr. Mus. 16: 381-426.
- GARNETT-BATFIELD, S.K., 1939. A trip to the Drakensberg mountains. Q. Bull. alp. Gdn Soc. 7: 340-343.
- GELLERT, J.F., 1966. Planetarische zirkulation und landschaftsgestaltung in Afrika derlud-aschwelle, am beispiel von Sudwestafrika. Wiss. Veroff. dt. Inst. Landerk. 23/24: 287-305.
- GERSTNER, J., 1941. A preliminary check-list of Zulu plant names. Bantu Stud. 12: 236-251 & 321-342, 13: 49-64, 131-149 & 307-325 & 15: 277-301 & 369-383.
- GERSTNER, J., 1946. Some factors affecting the perpetuation of our indigenous silva. JI S. Afr. For. Ass. No 13: 4-11.
- GEVERS, T.W., 1948. Drying rivers in the north-eastern Transvaal. S. Afr. geogr. J. 30: 17-44.
- GIBBS, L.S., 1902. A contribution to our knowledge of the botany of Southern Rhodesia. J. Linn. Soc.,(Bot.) 37: 425-494.
- GIBBS RUSSELL, G.E., 1974. The vascular aquatic plants of Rhodesia. Ph.D. thesis, University of Georgia, U.S.A.
- GIBBS RUSSELL, G.E., 1975a. Distribution of vascular aquatic plants in Rhodesia. S. Afr. J. Sci. 71: 270-272.
- GIBBS RUSSELL, G.E., 1975b. Comparison of the size of various African floras. Kirkia. 10: 123-130.
- GIBBS RUSSELL, G.E. & BIEGEL, H.M., 1973. Report on botanical collecting trips to Maun and the northern Okavango. Botswana Notes and Records 5: 154-169.
- GIBSON, J.M., 1975. Wild flowers of Natal (coastal region). Durban: Natal Publishing Trust Fund pp. 136.
- GIESS, W., 1962. Some notes on the vegetation of the Namib Desert with a list of plants collected in the area. Cimbebasia Memoir No. 2, pp. 2-35.
- GIESS, W., 1966. "Veldbast" in Sudwestafrika. JI S. W. Africa scient. Soc. 20: 59-68.
- GIESS, W., 1968. A short report on the vegetation of the Namib coastal area from Swakopmund to Cape Fria. Dinteria 1: 13-29.
- GIESS, W., 1970. Pflanzenwunder in Vley, Pfannen und Wassertumpeln im trocknen Sudwestafrika SWA Yearbook pp. 181-183.
- GIESS, W., 1971. A preliminary vegetation map of South West Africa. Dinteria 4: 5-114.
- GIESS, W., 1974. Beobachtungen zur Sudwester flora. Dinteria 10: 35-44.
- GIESS, W. & TINLEY, K.L., 1968. South West Africa. Acta phytogeogr. succ. 54: 250-253.
- GIFFEN, M.H., 1963a. Contributions to the diatom flora of South Africa: Diatoms of the estuaries of the Eastern Cape Province. Hydrobiologia 21: 201-265.
- GIFFEN, M.H., 1963b. Contributions to the diatom flora of South Africa. IV. The marine littoral diatoms of the estuary of the Kowie River, Port Alfred, Cape Province. Beih. Nova Hedwigia 31: 259-307.
- GIFFEN, M.H., 1966a. Contributions to the diatom flora of South Africa. Nova Hedwigia 13: 245-292.
- GIFFEN, M.H., 1966b. Contributions to the diatom flora of Southern Africa. II. The diatoms from the Hog's Back

- Region of the Amatola Mountains, Eastern Cape Province, South Africa. *Beih. Nova Hedwigia* 21: 123-150.
- GIFFEN, M.H., 1967. Contributions to the diatom flora of South Africa. III. Diatoms of the marine littoral regions at Kidds Beach near East London, Cape Province. Ph.D. thesis, University of South Africa.
- GIFFEN, M.H., 1971. Marine littoral diatoms from Gordon's Bay region of False Bay, Cape Province. *Botanica mar.* 14: 1-16.
- GIFFEN, M.H., 1973. Diatoms of the marine littoral of Steenbergs Cove in St Helena Bay, Cape Province, South Africa. *Botanica mar.* 16: 32-48.
- GILLILAND, H.B., 1938. A proposed delimitation of botanical countries for Southern Rhodesia. *Jl S. Afr. Bot.* 4: 65-71.
- GILLILAND, H.B., 1939. The vegetation of Rhodesian Manicaland. *Jl S. Afr. Bot.* 4: 73-99.
- GILLILAND, H.B., 1950. Some current problems concerning the understanding of African vegetation. *Geogr. Rev.* 40: 466-468.
- GILLILAND, H.B., 1953. On the history of plant study upon the Witwatersrand. *Jl S. Afr. Bot.* 19: 93-104.
- GILLILAND, H.B., SHERRIN, W.R. & ALSTON, A.H.G., 1938. Notes on the flora of Rhodesian Manicaland. *Jl S. Afr. Bot.* 4: 143-156.
- GILLILAND, M., 1962. The flora of the Hans Merensky Nature Reserve. *Fauna Flora, Pretoria* 13: 41-49.
- GLEDHILL, E., 1970. Eastern Cape veld flowers. Cape Town: Department of Nature Conservation of the Provincial Administration of the Cape of Good Hope. pp. 271.
- GLOVER, P.E., 1937a. Some hints on the determination of certain highveld grasses vegetatively. *S. Afr. J. Sci.* 33: 443-500.
- GLOVER, P.E. 1937b. A contribution to the ecology of the Highveld flora. *S. Afr. J. Sci.* 34: 224-259.
- GOMES E SOUSA, A. DE F., 1930. Aspectos da flora de Mozambique. *Bolm agric. pecuar. Mozamb.* 3-4: 27-35.
- GOMES E SOUSA, A. DE F., 1932. Aspectos da flora de Mozambique. *Bolm agric. pecuar. Mozamb.* 1-4: 13-19.
- GOMES E SOUSA, A. DE F., 1933. Flora de Mozambique. *Bolm agric. pecuar. Mozamb.* pp. 119-129.
- GOMES E SOUSA, A. DE F., 1935. Subsídios para o estudo flora do Niassa Portugues. *Bolm Soc. Estud. Mozamb.* 4,26: 71-130.
- GOMES E SOUSA, A. DE F., 1940. Subsídios para o Estudo da flora de Inhambane. *Boletim Economico e Estatistico Serie especial* 20.
- GOMES E SOUSA, A. DE F., 1949. A phyto-geographical sketch of Mozambique. *S. Afr. J. Sci.* 45: 43-55.
- GOMES E SOUSA, A. DE F., 1959. The forests of Inhaminga. *S. Afr. J. Sci.* 55: 122.
- GOMES E SOUSA, A. DE F., 1966. Dendrologia de Mocambique. Vol. 1 & 2. Lourenco Marques: Instituto de Investigacao Agronomica de Mocambique, pp. 462 & 463-822.
- GOMES E SOUSA, A. DE F., 1968. Mozambique flora of maritime dispersal (a brief outline). *Agronomia mocambicana* 2: 127-137.
- GOMES PEDRO, F., 1954. Contribuiçoes para o Inventario floristicos de Mozambique, I Pteridofitas - Monocotiledoneas. *Bolm Soc. Estud. Mozamb.* 24,87: 1-47.
- GOMES PEDRO, J. & GRANDVAUX BARBOSA, L. A., 1955. Esboco da vegetacao de Mocambique. In *Esboco do reconhecimento ecologia - agricola de Mocambique*. *Mems Trab. Cent. Invest. cient. algod.* 23: 67- 226.
- GONCALVES, M.L., 1971. Indice toponomico de Mozambique. Lisboa: Centro de Botanica da Jutta de Investigacoes do Ultramar. pp. 128.
- GOODIER, R. & PHIPPS, J.B., 1961. A revised check-list of the vascular plants of the Chimanimani Mountains. *Kirkia* 1: 44-66.
- GOODIER, R. & PHIPPS, J.B., 1962. Preliminary account of the plant ecology of the Chimanimani Mountains. *J. Ecol.* 50: 291-391.
- GOODMAN, P.S., 1975. The relation between vegetation structure and its use by wild herbivores in a riverine habitat. M. Sc. thesis, University of Rhodesia.
- GOOSSENS, A.P., 1932. A brief note on the flora in the neighbourhood of Heilbron, Orange Free State. *Pamph. S. Afr. biol. Soc. No. 5*, pp. 30-35.
- GOSSELT, D.R. & NORRIS, W.E., 1971. Relationship between nutrient availability and content of nitrogen and phosphorus in tissues of the aquatic macrophyte, *Eichhornia crassipes* (Mart.) Solms. *Hydrobiologia* 38,1: 15-28.
- GOSSWEILER, J., 1953. Nomes indigenas de plantas de Angola. *Agronomia angol. suppl.* 7: 1-587.
- GOUVEIA, D.G., 1969. Natural regions and agrarian zones of Mozambique. *Agronomia mocambicana* 3,2: 61-78.
- GOUVEIA, D.H.G., 1956. Reconhecimento do Baixa da Cassange (Angola). *Mems Jta Invest. Ultramar Ser de pedologia tropical* 4.
- GOUWS, J.B., 1939. 'n Ekologiese studie van die flora op en om Lospok by Waterval-Bo (Transvaal). M.Sc. thesis, University of Pretoria. pp. 146.
- GOYNS, H.G., 1971. The Baynes Mountains: a reconnaissance. *S. Afr. J. Sci.* 67: 22-24.
- GRANDVAUX BARBOSA, L.A., 1950. Esboco da vegetacao de poste do Distrito de Tete. Lourenco Marques: Centro de Investigacao Cientifica Algodoeira (Mimeographed).
- GRANDVAUX BARBOSA, L.A., 1953. Esboco da vegetacao da Zambezia. *Lejeunia* 16: 127-135.
- GRANDVAUX BARBOSA, L.A., 1958. Contribuiçao para a fitosociologia do novo *Pterocarpus brenanii*. *Bolm Soc. Estud. Mocamb.* 11: 69-86.
- GRANDVAUX BARBOSA, L.A., 1959. Phytosociology of *Pterocarpus brenanii*. *S. Afr. J. Sci.* 55,4: 92.
- GREATHEAD, S.K., 1961. A study of South African aquatic Hyphomycetes. M.Sc. thesis, Rhodes University. pp. 129.
- GRINDLEY, J.R., 1971. Report on the Symposium on the estuarine environment and biological association. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- GRINDLEY, J.R., 1973. Estuaries of the Garden Route threatened by proposed highway. *Eastern Cape Naturalist* 50: 9-12.
- GRINDLEY, J.R., 1974. Estuaries: an endangered habitat. *Afr. wild Life* 28,1: 23-26.
- GROBLER, P.J., 1964. Die plantegroei en flora van 'n area op Oudebos in die Kogelbergreservaat, Caledon. M.Sc. thesis, University of Stellenbosch.
- GROBLER, P.J., 1965. Die verspreiding van plante. *J. Wetensk. Ver. Univ. Stellenbosch* 7: 44-45.
- GRUNOW, J.O., 1966. Objectivity in plant community classification. *Proc. Grassld Soc. sth. Afr.* 1: 49-55.
- GRUNOW, J.O., 1967. Objective classification of plant communities: a synecological study in the sourish mixed bushveld of Transvaal. *J. Ecol.* 55: 691-710.
- GRUNOW, J.O., EDWARDS, D. & MORRIS, J.W., 1969. Vegetation ordination and classification: practical implications. *Proc. Grassld Soc. sth. Afr.* 4: 66-69.
- GRUNOW, J.O. & MORRIS, J.W., 1969. Preliminary assessment of ecological status of plant species in three South African veld types. *Jl S. Afr. Bot.* 35: 1-12.
- GUBITZ, H., 1969. Kleine botanische visentkarte von Sudafrika. *Acta phytothor.* 26: 1-20.
- GUILLAUMET, J.L. & KOEHLIN, J., 1971. Contribution a la definition des types de vegetation dans les regions tropicales (exemple de Madagascar). *Candollea* 26: 263-277.
- GUY, G.L., WISDOM, K.D. & ELKINGTON, B.D., 1965. The bundu book of trees, flowers and grasses. Salisbury: Longmans of Rhodesia. pp. 97.
- HALL, H., 1948. A koppie on the Little Karoo. *Cactus Succ. J., Los Ang.* 20: 101-104.
- HALL, H., 1950. Plant collecting in the Kaokoveld. *J. bot. Soc. S. Afr.* 36: 14-18.
- HALL, H., 1962. Namaqualand, a botanical wonderland. *J. bot. Soc. S. Afr.* 48: 17-20.
- HALL-MARTIN, A.J., 1972. Aspects of the plant ecology of Sengwe National Park, Malawi. M.Sc. thesis, University of Pretoria.
- HALL-MARTIN, A.J., 1975. Classification and ordination of forest and thicket vegetation of the Sengwe National Park, Malawi. *Kirkia*, 10: 131-181.
- HANCOCK, F.D., 1967. A first study on the algal ecology of the Klip River in the gold mining area of Johannesburg. Ph.D. thesis, University of the Witwatersrand.
- HANCOCK, F.D., 1973a. The ecology of the diatoms of the Klip River, southern Transvaal. *Hydrobiologia* 42: 243-284.

- HANCOCK, F.D., 1973b. Algal ecology of a stream polluted through gold mining on the Witwatersrand. *Hydrobiologia* 43: 189-229.
- HARGREAVES, D. & HARGREAVES, B., 1972a. African blossoms. Kailua, Hawaii Hargreaves Company. pp. 64.
- HARGREAVES, D. & HARGREAVES, B., 1972b. African trees. Kailua, Hawaii: Hargreaves Company. pp. 65.
- HARRISON, A.D., 1955. A preliminary report of a hydrobiological survey of the Great Berg River, western Cape Province. *Proc. int. Ass. theor. appl. Limnol.* 12: 345-350.
- HARRISON, A.D., 1958. The effects of sulphuric acid pollution on the biology of streams in the Transvaal, southern Africa. *Verh. int. Verein. theor. angew. Limnol.* 13: 603-619.
- HARRISON, A.D., 1962. Hydrobiological studies on alkaline and acid still-waters in the western Cape Province. *Trans. R. Soc. S. Afr.* 36: 213-244.
- HARRISON, A.D., 1964. An ecological survey of the great Berg River. In Davis, D.H.S.(ed.), *Ecological studies in Southern Africa*. The Hague: Junk.
- HARRISON, A.D., 1965. Some environmental effects of coal and gold-mining on the aquatic biota. In *Biological problems in water pollution*, Third Seminar, 1962, pp. 270-274. Cincinnati: US Public Health Service Publication 999.
- HARRISON, A.D. & ELSWORTH, J.F., 1958. Hydrobiological studies on the Great Berg River, western Cape Province. Part I. General description, chemical studies and main features of the flora and fauna. *Trans. R. Soc. S. Afr.* 35: 125-226.
- HARRISON, A.D., KELLER, P. & DIMOVIC, D., 1960. Ecological studies on Olifantsvlei, near Johannesburg. *Hydrobiologia* 15: 89-134.
- HARTMANN, G., 1897. Das Kaokogebiet in DeutschSudwesafrika auf Grund eigener reisen und Beobachtungen. *Verb. Ges. Erok Berl.* 4: 113-141.
- HARVEY, W.H., 1838. The genera of South African plants arranged according to the natural system. Cape Town: Robertson. pp. 429.
- HARVEY, W.H., 1863. *Thesaurus capensis*, or illustrations of the South African flora. Vol. 1 & 2. Dublin: Hodges, Smith & Co. pp. 68.
- HARVEY, W.H., 1868. The genera of South African plants. 2. Cape Town: Juta.
- HARVEY-GIBSON, R.J., 1914. Some aspects of the vegetation of South Africa. *Scott. geogr. Mag.* 30: 225-237.
- HATTINGH, E.R., 1961. Problem of *Salvinia auriculata* Aubl. and associated aquatic weeds on Lake Kariba. *Weed Res.* 1: 303-306.
- HEDBERG, O., 1949 Features of afro-alpine plant ecology. *Acta phytogeog. succ.* 49: 5-144.
- HEDBERG, O., 1961. The phytogeographical position of afro-alpine flora. In *Recent advances in botany*. Vol 1. Toronto: University of Toronto Press.
- HENDERSON, J., 1900. Northern Nyasaland. *Scott. Geogr. Mag.* 16: 82-89.
- HENKEL, C.C., 1903. History, resources and productions of the country between Cape Colony and Natal or Kaffraria proper, now called the Native Transkeian Territories. Hamburg: Actien Gesellschaft. pp 124.
- HENKEL, J.S., 1931. Types of vegetation in Southern Rhodesia. *Proc. Trans. Rhod. scient. Ass.* 30: 1-24.
- HENKEL, J.S., 1934. A field book of the woody plants of Natal and Zululand. Durban & Pietermaritzburg: Natal University Development Fund Committee.
- HENKEL, J.S., BALLENDEN, S. ST C. & BAYER, A.W., 1941. An account of the plant ecology of the Dukuduku Forest Reserve and adjoining areas of the Zululand coast belt. *Ann. Natal. Mus.* 8: 95-126.
- HENNESSY, E.F., 1974. Dune vegetation in Natal. *Veld & Flora* 4: 47-49.
- HENRICI, M., 1926. Growth of veld plants under arid conditions of Bechuanaland. *S. Afr. J. Sci.* 23: 325-339.
- HENRICI, M., 1931. Grass or bush in the Karroid area. *S. Afr. J. Sci.* 28: 266.
- HENSLOW, G., 1903. South African flowering plants. London: Longmans.
- HEPBURN, I.P., 1919. Ecological notes on the mountainous portions of the Herschel district. *S. Afr. J. nat. Hist.* 1: 210-223.
- HERBST, M.J.H., 1972. 'n Ekologiese ondersoek van die plantgemeenskappe tussen die Krokodil en Matlabasrivier, met spesiale aandag aan die invloed van edafiese faktore op die verspreiding van houtagtige spesies. M.Sc. thesis, Potchefstroom University for CHE.
- HERBST, S.N., 1971. 'n Ekologiese plantopname van 'n gedeelte van die Oxbowopvanggebied, Lesotho. M.Sc. (Agric.) thesis, University of the Orange Free State.
- HERBST, S.N. & ROBERTS, B.R., 1974. The alpine vegetation of the Lesotho Drakensberg: a study in quantitative floristics at Oxbow. *Jl S. Afr. Bot.* 40: 257-267.
- HERRE, H., 1932. Eine zweite sammelreise nach Namaqualand. *Mshr. dt. Kaktes.* 4: 47-51, 91-97, 113-116 & 139-141.
- HERRE, H., 1965. Eine pflanzen-sammelreise nach Namaqualand. *Palmengarten* 29 (12 papers).
- HEWITT, J., 1910. Notes on the flora and fauna of Sarawak, (considered more especially in comparison with that of South Africa). *S. Afr. J. Sci.* 6: 203-212.
- HEYDORN, A.E.F., 1970. The mounting threat to our estuaries. *Afr. wild Life* 24: 193-200.
- HEYDORN, A. E. F., 1972a. The interdependence of marine and estuarine ecosystems in relation to the utilization and conservation of the living resources of the sea. In *Biological research & problems of the environment symposium*, 2-10 July 1972, Johannesburg, pp. 1-35.
- HEYDORN, A.E.F., 1972b. South African estuaries - an economic asset or a natural resource being squandered? *Scientiae* 13.5: 2-6.
- HEYDORN, A.E.F., 1972c. South African estuaries. Their function and the threat to their existence. *Findiver* 32: 18-19.
- HEYDORN, A.E.F., 1973a. Aquaculture: a substitute for management of living marine resources? *J. sth. Afr. Wildl. Mgmt Ass.* 3: 109-114.
- HEYDORN, A.E.F., 1973b. The interdependence of marine and estuarine ecosystems in South Africa. *S. Afr. J. Sci.* 69: 18-24.
- HIERN, W.P., 1900. Catalogue of the African plants collected by Dr Friedrich Welwitsch in 1853-1861. Dicotyledons. Parts 1-4. London: Longmans. pp. 1032.
- HIGGINS, V., 1947. Basutoland plants. *Q. Bull. alp. gdn Soc.* 15: 161-168.
- HILL, B.J., 1966. A contribution to the ecology of the Umlazi estuary. *Zool. Afr.* 2: 1-24.
- HILL, B.J., 1969. The bathymetry and possible origin of Lakes Sibayi, Nhlangwe and Situngwe in Zululand, Natal. *Trans. R. Soc. S. Afr.* 38: 205-216.
- HILL, B.J., BLABER, S.J.M. & BOLT, R.E., 1975. The limnology of Lagoa Poebela. *Trans. R. Soc. S. Afr.* 41: 263-271.
- HILLARY, O.M., 1947. The plant ecology of the coast dunes at Tongaat Beach, Natal, South Africa. M.Sc. thesis, University of South Africa. pp. 94.
- HOBSON, N.K., JESSOP, J.P. & GINN, M.C. VAN DER R., 1970. Karoo plant wealth. Pearson: Pearson Publications.
- HOBSON, N.K., JESSOP, J.P., GINN, M.C. VAN DER R. & KELLY, J., 1975. Veld plants of southern Africa. Johannesburg: MacMillan.
- HOCHSTETTER, C.F., 1845. Pflanzen des Cap-und Natal-landes. *Flora* 28: 337-344 & 753-764.
- HOCHSTETTER, C.F., 1846. Pflanzen des Cap-und Natal-landes. *Flora* 29: 113-131, 129-138 & 209-219.
- HODGETTS, W.J., 1926. Contributions to our knowledge of the freshwater algae of Africa. 6. Some freshwater algae from Stellenbosch, Cape of Good Hope. *Trans. R. Soc. S. Afr.* 13: 49-103.
- HOOD, R.J., 1967. A guide to the grasses of Zambia. Lusaka: Government Printer. pp. 67.
- HOPKINS, J.C.F., 1940. Common veld flowers. Look around you series. No. 1. Salisbury: Rhodesian Scientific Association.
- HOPKINS, J.C.F., 1951. Botanical science in Southern Rhodesia. *S. Afr. J. Sci.* 47: 179-180.
- HOWARD-WILLIAMS, C., 1971. An ecological sampling method for swamp and marsh vegetation types. *News Lett. Limnol. Soc. sth. Afr.* 17: 27-30.
- HOWARD-WILLIAMS, C., 1972. Limnological studies in an African swamp: seasonal and spatial changes in the swamps of Lake Chilwa, Malawi. *Arch. Hydrobiol.* 70: 379-391.

- HOWARD-WILLIAMS, C., 1973. Vegetation and environment in the marginal areas of a tropical African lake (L. Chilwa, Malawi). Ph.D. thesis, University of London.
- HOWARD-WILLIAMS, C., 1975a. Seasonal and spatial changes in the composition of aquatic and semi-aquatic vegetation of Lake Chilwa, Malawi. *Vegetatio* 30: 33-39.
- HOWARD-WILLIAMS, C., 1975b. Vegetation changes in a shallow African lake: response of the vegetation to a decent dry period. *Hydrobiologia* 47: 381-397.
- HOWARD-WILLIAMS, C. & LENTON, G.M., 1975. The role of the littoral zone in the functioning of a shallow tropical lake ecosystem. *Freshwater Biol.* 5: 445-449.
- HOWARD-WILLIAMS, C. & WALKER, B.H., 1974. The vegetation of a tropical African lake: classification and ordination of the vegetation of Lake Chilwa (Malawi). *J. Ecol.* 62: 831-854.
- HOWARD-WILLIAMS, W., HOWARD-WILLIAMS, C. & LONGMAN, T., 1975. Preliminary ecological survey of the Lower Swartvlei estuary with special reference to the area spanned by a road bridge. Institute for Freshwater Studies, Rhodes University, Grahamstown. pp. 11.
- HOWELL, S.G., 1973. The ecological challenge of estuaries. *Environ. & Change* 2: 179-186.
- HULME, M.M., 1954. Wild flowers of Natal. Pietermaritzburg: Shuter & Shooter.
- HUMPHREY, W.H., 1927. The changed conditions of Namaqualand. *Trans. R. Soc. S. Afr.* 14: 219-224.
- HUNTLEY, B.J., 1965. A preliminary account of the Ngoye Forest Reserve, Zululand. *Jl S. Afr. Bot.* 31: 177-205.
- HUNTLEY, B.J., 1968a. A floristic and ecological account of the vegetation of Marion and Prince Edward Islands, South Indian Ocean. M.Sc. thesis, University of Pretoria.
- HUNTLEY, B.J., 1968b. This is the last wilderness. *Afr. wild Life* 22: 95-103.
- HUNTLEY, B.J., 1971. Climate. In Dyer, R.A., Winterbottom, J.M. & Van Zinderen Bakker, E.M. (eds), Marion and Prince Edward Islands. Cape Town: Balkema.
- HUNTLEY, B.J., 1973. An Eden called Iona. *Afr. wild Life* 26: 136-145.
- HUTCHISON, I.P.G., 1972. Research work in Mkuze Swamps. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- HUTCHISON, I.P.G. & MIDGLEY, D.C., 1973. A mathematical model to aid management of outflow from the Okavango Swamp, Botswana. *J. Hydrol.* 19,2: 93-112.
- HUTCHINSON, J., 1946. A botanist in southern Africa. London: Gawthorn. pp. 686.
- INGRAM, P., 1960. A preliminary account of the ecology of the vegetation of the southern Matopos. *Rhodesia agric. J.* 57: 312-330.
- ISAAC, W.E., 1935. The organic matter content and carbon-nitrogen ratio of South African soils of the winter rainfall area. *Trans. R. Soc. S. Afr.* 23: 205-230.
- ISAAC, W.E., 1937a. South African coastal waters in relation to ocean currents. *Geogr. Rev.* 27: 651-664.
- ISAAC, W.E., 1937b. Studies of South African vegetation. I. West coast from Lamberts Bay to the Cape of Good Hope. *Trans. R. Soc. S. Afr.* 25: 115-151.
- ISAAC, W.E., 1938. The geographical distribution of seaweed vegetation in relation to temperature and other factors with special reference to South Africa. *Int. geogr. Congr.* 2,7: 12.
- ISAAC, W.E., 1949. Studies of South African seaweed vegetation. 2. South coast: Rooi Els to Gansbaai with special reference to Gansbaai. *Trans. R. Soc. S. Afr.* 32: 125-160.
- ISAAC, W.E., 1951. Observations on the ecology of *Bifurcaria brassicaeformis* (Kütz.) Barton. *J. Ecol.* 39: 94-105.
- ISAAC, W.E., 1953. South African seaweed vegetation and further investigations in this field. *Jl S. Afr. Bot.* 19: 59-71.
- ISAAC, W.E., 1956a. The ecology of *Gracilaria confertifoliosa* (L.) Grev. in South Africa with special reference to its ecology. *Int. Seaweed Symp.* pp. 173-185.
- ISAAC, W.E., 1956b. Marine algae of Inhaca Island and of the Inhaca Peninsula. *Jl S. Afr. Bot.* 22: 161-193.
- ISAAC, W.E., 1957. Some marine algae from XaiXai. *Jl S. Afr. Bot.* 23: 75-102.
- ISAAC, W.E., 1959. Comments on the seaweed flora and vegetation of Inhaca. *S. Afr. J. Sci.* 55: 181-183.
- ISAAC, W.E., 1973. Seaweeds and related plants. In Standard encyclopedia of southern Africa, pp. 561-565. Cape Town: Nasou.
- ISAAC, W.E. & CHAMBERLAIN, Y.M., 1958. Marine algae of the Inhaca Island and of the Inhaca Peninsula. 2. *Jl S. Afr. Bot.* 24: 123-155.
- JACKSON, G., 1954. Preliminary ecological survey of Nyasaland. In Proceedings of the 2nd Inter-African Soils Conference, 9-14 Aug. 1954, pp. 679-690. Leopoldville.
- JACKSON, G. & WIEHE, P.O., 1958. An annotated checklist of Nyasaland grasses, indigenous and cultivated. Zomba: Government Printer. pp. 75.
- JACKSON, J.R., 1912. Notes on the economic flora of Gazaland. *Gdrn's Chron.* 51: 283-284, 296-297, 321-322 & 332-333.
- JACOBSEN, W.B.G., 1967. The influence of the copper content of the soil on trees and shrubs of Molly South Hill, Mangula. *Kirkia* 6: 63-84.
- JACOBSEN, W.B.G., 1968. The influence of the copper content of the soil on the vegetation at Silverside North, Mangula area. *Kirkia* 6: 259-277.
- JACOBSEN, W.B.G., 1970. Further notes on the vegetation of copper bearing soils at Silverside. *Kirkia* 7: 285-290.
- JACOBSEN, W.B.G., 1973. A checklist and discussion of the flora of a portion of the Lomagundi District, Rhodesia. *Kirkia* 9: 139-207.
- JACOT GUILLARMOD, A., 1959. The flora of Basutoland. 1. Ecological introduction. *Basutoland Notes and Records* 1: 1-10.
- JACOT GUILLARMOD, A., 1960. The flora of Basutoland. 2. The flora of Dolomite dykes and sills. *Basutoland Notes and Records* 2: 5-10.
- JACOT GUILLARMOD, A., 1961a. Common wild flowers of Basutoland. In Year Book, pp. 98-100. Maseru: British Red Cross Society Basutoland Branch.
- JACOT GUILLARMOD, A., 1961b. The botany of Basutoland. *Jl Bot. Soc. S. Afr.* 47: 12-14.
- JACOT GUILLARMOD, A., 1962. The bogs and sponges of the Basutoland mountains. *S. Afr. J. Sci.* 58: 179-182.
- JACOT GUILLARMOD, A., 1963. Further observations on the bogs of the Basutoland mountains. *S. Afr. J. Sci.* 59: 115-118.
- JACOT GUILLARMOD, A., 1964a. Interesting and rare plants in Basutoland. *Afr. wild Life* 18: 283-291.
- JACOT GUILLARMOD, A., 1964b. The flora of Basutoland. 3. Water plants and waterside plants. *Basutoland Notes and Records* 3: 7-15.
- JACOT GUILLARMOD, A., 1966. A contribution towards the economic botany of Basutoland. *Bot Notiser* 119: 209-212.
- JACOT GUILLARMOD, A., 1967a. From the roof of southern Africa. *Afr. wild Life* 21: 304-320.
- JACOT GUILLARMOD, A., 1967b. Botanical exploration in Basutoland, (1861 to present). *S. Afr. J. Sci.* 63: 81-83.
- JACOT GUILLARMOD, A., 1968. Lesotho. *Acta phytogeogr. succ.* 54: 253-256.
- JACOT GUILLARMOD, A., 1969a. The effect of land usage on aquatic and semi-aquatic vegetation at high altitudes in southern Africa. *Hydrobiologia* 34: 3-13.
- JACOT GUILLARMOD, A., 1969b. Modern agricultural practice and limnology in Lesotho. *News Lett. Limnol. Soc. sth. Afr. No.* 13, pp. 41-44.
- JACOT GUILLARMOD, A., 1970. Aquatic weeds in southern Africa. Probe, Science Students Council Journal, University of the Witwatersrand, pp. 47-49 & 53.
- JACOT GUILLARMOD, A., 1971. Flora of Lesotho, (Basutoland). *Lehr: Cramer. (Flora et Vegetation Mundi. Band 3.)* pp. 474.
- JACOT GUILLARMOD, A., 1972. The bogs and sponges of the Orange River catchment within Lesotho. *Civ. Engr S. Afr.* 14,2: 84-85.
- JACOT GUILLARMOD, A., 1973. Fish River vegetation. *Veld & Flora* 3: 47-49 & 52.
- JAEGER, F., 1939. Untersuchungen der pflanzen und vleys, Sudafrikas. *Petermanns geogr. Mitt.* 236.
- JANSE VAN VUUREN, D.R., 1961. 'n Ekologiese studie van die plantegroei van 'n noordelike en suidelike kloof van die Magaliesberge. M.Sc. thesis, University of Pretoria. pp. 254.
- JANSE VAN VUUREN, D.R., 1973. Die oorsprong en

- verwantskappe van die Suid Afrikaanse flora. University of the North Publication Series C 25. pp. 26.
- JARMAN, N.G., 1973. An investigation into the mapping of kelp beds off the west coast of South Africa using ERTS-1 imagery. In Malan, O.G. (ed.), To assess the value of satellite imagery in resource evaluation on a national scale. CSIR Special report Fis 40, type 2 report for period Feb. 1973 to July 1973, CSIR, Pretoria, pp. 24-25.
- JEPPE, B., 1975. Natal wild flowers. Cape Town: Purnell.
- JEPPE, C.B., 1964. Excursion to Mont-aux-Sources. Trees S. Afr. 16: 2-10.
- JORDAAN, P.G., 1946. Plantegroei van die distrikte Bredasdorp en Caledon. Tydskr. Wet. Kuns 6: 47-58.
- JUBB, R.A., 1973. The J.G. Strydom Dam, Pongola River, northern Zululand. The importance of the floodplain pans below it. Piscator 26, 86: 104-109.
- JUNOD, H., 1926. Considerations sur la flore sud-africaine. Bull. Soc. bot. Geneve ser 2, 18: 316.
- KALK, M., 1959. A general ecological survey of some shores in northern Mocambique. Revta Biol. Lourenco Marq. 2,1: 1-24.
- KALK, M. (ed.), 1970. Decline and recovery of a lake. Lake Chilwa Co-ordinated Research Project, University of Malawi, Zomba. pp. 11-60.
- KALK, M., 1971. The challenge of Lake Chilwa. Afr. J. trop. Hydrobiol. Fish. 1: 141-146.
- KANTHACK, F.E., 1921. Notes on the Kunene River, southern Angola. Geogr. J. 4: 321-336.
- KEAY, R.W.J., 1959. Vegetation map of Africa south of the Tropic of Cancer. Explanatory notes. London: Oxford University Press. pp. 24.
- KEAY, R.W.J., 1974. Changes in African vegetation. Environ. & Change 3: 387-394.
- KEET, J.D.M., 1951. Check-list of trees of the Okavango native territory. JI S. Afr. For. Ass. No. 20, pp. 106-107.
- KELLER, P., 1960. Bacteriological aspects of pollution in the Jukskei-Crocodile River system in the Transvaal, South Africa. Hydrobiologia 14: 205-254.
- KEMP, A.L.W., SAVILLE, H.A., GRAY, C.B. & MUDROCHOVA, A., 1971. A simple corer and a method for sampling the mud-water interface. Limnol. Oceanogr. 16, 4: 689-694.
- KEMP, P.H., 1967. Hydrobiological studies on the Tugela River System, part 6. Acidic drainage from mines of Natal coalfields. Hydrobiologia 29: 393-425.
- KERS, L.E., 1971. Notes on the flora of Angola. Bot. Notiser 124: 16-24.
- KETTLITZ, W.K. & VERSCHUUR, T.B., 1958. The Hans Merensky Nature Reserve. Fauna Flora, Pretoria 9: 29-49.
- KEULDER, P.C., 1969. Hydrobiological aspects of the Orange/Caledon System. News Lett. Limnol. Soc. Sth. Afr. No. 13, pp. 56-65.
- KIDD, M.M., 1950. Wild flowers of the Cape Peninsula. Cape Town: Oxford University Press.
- KILLICK, D.J.B., 1950. An account of the plant ecology of the Table Mountain area of Pietermaritzburg, Natal. M.Sc. thesis, University of Natal.
- KILLICK, D.J.B., 1959. An account of the plant ecology of Table Mountain area of Pietermaritzburg, Natal. Mem. bot. Surv. S. Afr. No. 32, pp. 133.
- KILLICK, D.J.B., 1961a. An account of the plant ecology of the Cathedral Peak area of the Natal Drakensberg. Ph.D. thesis, University of Natal.
- KILLICK, D.J.B., 1961b. Vegetation of the Cathedral Peak area of the Natal Drakensberg. JI S. Afr. biol. Soc. 2: 24-25.
- KILLICK, D.J.B., 1963. An account of the plant ecology of the Cathedral Peak Area of the Natal Drakensberg. Mem. bot. Surv. S. Afr. No. 34, pp. 178.
- KILLICK, D.J.B., 1971. Plants of the Drakensberg Mountains. Q. Bull. alp. Gdn Soc. 39: 29-30 & 55.
- KING, L.C., 1942. Notes to accompany a topographical map of part of the Valley of a Thousand Hills, Natal. Ann. Natal Mus. 10: 127-140.
- KING, R.D., 1975. An investigation into the phytoplankton of selected areas of Lake Kariba. M.Sc. thesis, University of the Witwatersrand.
- KNAPP, R., 1968. Hoher Vegetations-Einheiten von Athiopien, Somalia, Natal, Transvaal, Kapland und einigen Nachbargebieten. Geobot. Mitt., Giessen 56: 1-36.
- KOKOT, D.F., 1950. Kalahari facts and fantasies. Farmer's Weekly, Bloemfontein, 26 July, pp. 10-12.
- KRAUSS, F., 1844. Pflanzen des Cap- und Natalandes. Flora, Jena 27: 261-274, 277-307, 346-359, 423-432, 551-559, 667-702 & 819-835.
- KRAUSS, F., 1845. Pflanzen des Cap- und Natalandes. Flora, Jena 28: 65-93, 305-314, 337-344 & 753-764.
- KRAUSS, F., 1846. Pflanzen des Cap- und Natalandes. Flora, Jena 29: 113-121, 129-138 & 209-219.
- KRIEL, J.P. (chairman), 1966. Report of the Commission of inquiry into the alleged threat to animal and plant life in Lake St Lucia. 1964-1966. Pretoria: Government Printer. pp. 371.
- KRUGER, F.J., 1974. The physiography and plant communities of Jakkalsrivier catchment. M.Sc. thesis, University of Stellenbosch.
- KRUGER, J.A., 1971. 'n Ekologiese ondersoek van die plantegroei van die plaas Somerville 53 en omgewing (dist. Ventersdorp), met besondere aandag aan die bodem kundige aspek. M.Sc. thesis, Potchefstroom University for CHE.
- KURZ, H. & KURZ, G., 1973. Okologische untersuchungen am Strandgewassen Sudwestafrikas. Namib und Meer 4: 41-64.
- LABURN, R.J., 1974. The effect of pollution on the Vaal River barrage and the quest for water quality. Civ. Engr. S. Afr. 16,2: 62-65.
- LACEY, W.S., 1961. Studies in the Karoo floras of Rhodesia and Nyasaland. Proc. Trans. Rhod. scient. Ass. 49: 26-53.
- LAMBERT, G., ALEXANDER A.J. & ALLETSON, J., 1972. Method used in a preliminary study of the ecology of a marine reef of Durban Beach. S. Afr. J. Sci. 68: 221-224.
- LAUBENFELS, D.J. DE., 1975. Mapping world vegetation: regionalization of formations and flora. Syracuse: Syracuse University Press. pp. 246.
- LAUNERT, E., 1957. Studien zur flora von Sudwestafrika, Mitt. Bot. StSamml., Münch. 18: 358-367.
- LAUNERT, E., 1958. Systematische und arealkundliche bearbeitung einiger pflanzenfamilien Sudwesafrikas. Ph.D. thesis, University of Ludwig-Maximilians, München.
- LAWTON, R.M., 1972. A vegetation survey of northern Zambia. In Van Zinderen Bakker, E.M. (ed.), Palaeoecology of Africa 6: 253-256. Cape Town: Balkema.
- LAYDEVANT, F., 1942. Les plantes et L'ethnographie du Basutoland. Annali lateran 6: 237-283.
- LE ROI LE RICHE, H. & HEY, D., 1947. A preliminary report on river pollution in the Cape Western area. In Inland Fisheries Department report 4, pp.7-12, Cape Town: Provincial Administration of the Cape of Good Hope, Union of South Africa.
- LEEMANN, A.C., 1931. Vegetationsbilder aus den Magaliesbergen in der Hochebene von Transvaal. Vegetationsbilder 22: 13-18.
- LEEMANN, A.C., 1935. The Blauwberg in the Northern Transvaal. Vegetationsbilder 24: 1-13 & 43-48.
- LEENDERTZ, R. & BURTT DAVY, J., 1909. First annotated catalogue of the vascular plants of the Transvaal and Swaziland. Rep. S. Afr. Ass. Advmt Sci. 6: 230-236.
- LEISTNER, O.A., 1959a. Notes on the vegetation of the Kalahari Gembok National Park with special reference to its influence on the distribution of antelopes. Koedoe 2: 128-151.
- LEISTNER, O.A., 1959b. Preliminary list of plants found in the Kalahari Gembok National Park. Koedoe 2: 152-172.
- LEISTNER, O.A., 1967. The plant ecology of the southern Kalahari. Mem. bot. Surv. S. Afr. No. 38, pp. 172.
- LEISTNER, O.A., 1968. Plant life of the Namib Desert, Kalahari and Namaqualand. JI S. Afr. biol. Soc. 9: 15-16.
- LEISTNER, O.A. & WERGER, M.J.A., 1973. Southern Kalahari phytosociology. Vegetatio 28: 353-399.
- LEMON, P., 1964. Natural communities of the Malawi National Park (Nyika Plateau). Zomba: Government Printer.
- LEONARD, J., 1965. Map of the extent of floristic exploration in Africa south of the Sahara. Published by AETFAT, Explanatory text. Webbia 19: 911-914.
- LESER, H., 1969. Studien zur oekologie des Kalaharisandgebietes um Auob und Nossob (oestliches Sudwestafrika). JI S.W. Africa scient. Soc. 23: 23.
- LESER, H., 1971. Landschaftsökologische Studien im kalaharisandgebiet um Auob und Nossob. Wiesbaden: Steiner. pp. 243.

- LESER, H., 1972. Geookologische verhältnisse der Pflanzengesellschaften in den Savannen des Sandveldes um den Schwarzen Nossob und um Epukiro. *Dinteria* 6: 1-44.
- LETTY, C., DYER, R.A., VERDOORN, I.C. & CODD, L.E., 1962. Wild flowers of the Transvaal. Pretoria: Trustees, Wild Flowers of the Transvaal Book Fund. pp. 362.
- LEVINSON, O., 1972. The wonder-world of the Namib. *Lantern* 31,3: 9.
- LEVYNS, M.R., 1924. The distribution of the seaweeds of the Cape Peninsula. *S. Afr. J. Sci.* 21: 265.
- LEVYNS, M.R., 1929a. The systematic elements of the south-western vegetation. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province, pp. 33-39. Cape Town: Speciality Press.
- LEVYNS, M.R., 1929b. Sea weeds of the Cape Peninsula. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E. & Levyns, M.R., The botanical features of the south-western Cape Province, pp. 96-98. Cape Town: Speciality Press.
- LEVYNS, M.R., 1929c. A guide to the flora of the Cape Peninsula. Cape Town: Juta. pp. 284.
- LEVYNS, M.R., 1936. The flora of the Cape Mountains: its distribution and origins. *J. Mount. Club S. Afr. No.* 39, pp. 16-22.
- LEVYNS, M.R., 1938. The Little Karoo and its mountains: some botanical clues to the past. *J. Mount. Club S. Afr. No.* 41, pp. 33-36.
- LEVYNS, M.R., 1950. The relations of the Cape and the Karoo floras near Ladismith, Cape. *Trans. R. Soc. S. Afr.* 32: 235-246.
- LEVYNS, M.R., 1952. Clues to the past in the Cape flora of today. *S. Afr. J. Sci.* 49: 155-164.
- LEVYNS, M.R., 1958. The phytogeography of members of Proteaceae in Africa. *Jl S. Afr. Bot.* 24: 1-9.
- LEVYNS, M.R., 1961. Some impressions of a South African botanist in temperate western Australia. *Jl S. Afr. Bot.* 27: 87-97.
- LEVYNS, M.R., 1962. Possible Antarctic elements in the South African flora. *S. Afr. J. Sci.* 58: 237-241.
- LEVYNS, M.R., 1963. The origins of the flora of South Africa. *Lantern* 13,1: 17-21.
- LEVYNS, M.R., 1964. Migrations and origins of the Cape flora. *Trans. R. Soc. S. Afr.* 37: 85-107.
- LEVYNS, M.R., 1966. Guide to the flora of the Cape Peninsula. Cape Town: Juta.
- LEVYNS, M.R., 1968. A botanist's memoirs: sixty years in the Botany Department of the University of Cape Town. University of Cape Town. pp. 40.
- LEWIS, O.A.M. & NAIDOO, G., 1970. Tidal influence on the apparent transpirational rhythm of the white mangrove. *S. Afr. J. Sci.* 66: 268-270.
- LIEBENBERG, C.D.B., 1935. Botanical survey of the south-eastern area. *Fmg S. Afr.* 10: 123-124.
- LIEBENBERG, D.P., 1972. The Drakensberg of Natal. Cape Town: Bulpin.
- LIGHTON, C., 1960. Cape Floral Kingdom. Cape Town: Juta.
- LINLEY, K. & BAKER, B., 1972. Flowers of the veld. Salisbury: Longman Rhodesia. pp. 120.
- LINNAEUS, C. & WANNMAN, C.H., 1759. *Flora Capensis*. Uppsala. pp. 19.
- LOMBARD, G.L. 1972a. Blyderivierspoort. *Fauna Flora, Pretoria* 22: 2-5.
- LOMBARD, G.L., 1972b. The story of a lake. *Fauna Flora, Pretoria* 22: 14-15.
- LOUBSER, J.W., 1961. Die plantegroei van die koperstreek van Noord-Rhodesie. *J. bot. Soc. S. Afr.* 47: 10-11.
- LOUW, A.J., 1970. 'n Ekologiese studie van Mopanieveld noord van Soutpansberg. D.Sc. (Agric.) thesis, University of Pretoria.
- LOUW, A.J., 1973a. Botaniese samestelling van beskermde persele in Mopanieveld. *Agroplantae* 5,1: 23-24.
- LOUW, A.J., 1973b. Botaniese veranderings in 'n beskermde perseel op rooi kleigrond te Toowoomba-navorsingstasie. *Agroplantae* 5,2: 55-56.
- LOUW, A.J., 1973c. Ontwikkeling van half-dorre bosveld tot volle potensiaal. 1. Transvaal. *Proc. Grassld Soc. sth. Afr.* 8: 137-139.
- LOUW, M.J., 1954. 'n Regionale opname van die Thaba'Nchu distrik in die Oranje-Vrystaat. M.A. thesis, University of South Africa. pp. 152.
- LOUW, W.J., 1949. An ecological survey of the flora of the Potchefstroom area. D.Sc. thesis, Potchefstroom University for CHE. pp. 133.
- LOUW, W.J., 1951. An ecological account of the vegetation of the Potchefstroom area. *Mem. bot. Surv. S. Afr. No.* 24, pp. 105.
- LOUW, W.J., 1970. Klipveld studies. 1. Check list of the vegetation. *Jl S. Afr. Bot.* 36: 199-206.
- LUCAS, A. & PIKE, B., 1971. Wild flowers of the Witwatersrand. Cape Town: Purnell.
- LUGARD, E.J. & BROWN, N.E., 1909. The flora of Ngamiland. *Bull. misc. Inf. R. bot Gdns Kew* 3: 81-89.
- MACKENZIE, L.A., 1946. Report on the Kalahari expedition, 1945. Pretoria: Government Printer.
- MACNAE, M.M., GILLARD, P. & LUCAS, A., 1969. Flora of the Melville Koppies Nature Reserve. Part 1. Springflowers and grasses. Johannesburg: Council for Natural History. pp. 17.
- MACNAE, W., 1957a. The ecology of the plants and animals in the intertidal regions of Zwartkops estuary near Port Elizabeth, South Africa. Part 1. *J. Ecol.* 45: 113-131.
- MACNAE, W., 1957b. The ecology of the plants and animals in the intertidal regions of the Zwartkops estuary near Port Elizabeth, South Africa. Part 2. *J. Ecol.* 45: 361-387.
- MACNAE, W., 1962. The fauna and flora of the eastern coast of Southern Africa in relation to ocean currents. *S. Afr. J. Sci.* 58: 208-212.
- MACNAE, W., 1963. Mangrove swamps in South Africa. *J. Ecol.* 51: 1-25.
- MACNAE, W. & KALK, M., 1958. A natural history of Inhaca Island, Mocambique. Johannesburg: Witwatersrand University Press. pp. 163.
- MACNAE, W. & KALK, M., 1962a. The ecology of the mangrove swamps at Inhaca Island, Mocambique. *J. Ecol.* 50: 19-34.
- MACNAE, W. & KALK, M., 1962b. The fauna and flora of the sand flats at Inhaca Island, Mocambique. *J. Anim. Ecol.* 31: 93-128.
- MACOWAN, P., 1869. *Notulae capenses*. *J. Linn. Soc., (Bot.)* 10: 480-482.
- MACOWAN, P., 1886. Personalalia of botanical collectors at the Cape. *Trans. S. Afr. phil. Soc.* 4: 30-53.
- MACOWAN, P., 1889. New Cape plants. *J. Linn. Soc. (Bot.)* 25: 385-394.
- MACOWAN, P. & BOLUS, H., 1881. Novitates capenses: description of new plants from the Cape of Good Hope. *J. Linn Soc. (Bot.)* 18: 390-397.
- MAGADZA, C.H.D., 1970. A preliminary survey of the vegetation of the shore of Lake Kariba. *Kirkia* 7: 253-268.
- MALAN, J.S. & OWEN SMITH, G.L., 1974. The ethnobotany of Kaokoland. *Cimbebasia Ser. B* 2: 131-178.
- MANN, R.J., 1859. The colony of Natal. London: Jarrold.
- MARKOTTER, E.I., 1930. 'n Plantegeografiese skets en die flora van Witzieshoek, O.V.S., Oliviershoekepas, Natal en Koolhoek, O.V.S. *Annale Univ. Stellenbosch serie A* 8,1: 1-50.
- MARLOTH, B., 1887. Das sud-ostliche Kalahari-Gebiet. *Bot. Jb.* 8: 247-260.
- MARLOTH, R., 1896. Some scientific results of an excursion to the Hex River Mountains. *Trans. S. Afr. phil. Soc.* 8: 86-92.
- MARLOTH, R., 1902. Notes on the occurrence of alpine types in the vegetation of the higher peaks of the south-western region of the Cape. *Trans. S. Afr. phil. Soc.* 11: 161-168.
- MARLOTH, R., 1903. The historical development of the geographical botany of Southern Africa. *Rep. S. Afr. Ass. Advmt Sci.* 1: 251-257.
- MARLOTH, R., 1904. Notes on the vegetation of Southern Rhodesia. *Rep. S. Afr. Ass. Advmt Sci.* 2: 300-307.
- MARLOTH, R., 1910. The vegetation of the southern Namib. *S. Afr. J. Sci.* 7: 80-87.
- MARLOTH, R., 1913. The flora of South Africa. Vol. 1. Thallophyta. Bryophyta. Pteridophyta. Gymnospermae. Dicotyledones, part 1. Cape Town: Darter. pp. 264.
- MARLOTH, R., 1915. The flora of South Africa. Vol. 4. Monocotyledones. Cape Town: Darter. pp. 208.

- MARLOTH, R., 1917. Dictionary of the common names of plants; with a list of foreign plants cultivated in the open. Cape Town: Speciality Press. pp. 175.
- MARLOTH, R., 1924. Observations on the Cape flora. S. Afr. J. nat. Hist. 4: 334-344.
- MARLOTH, R., 1925. The Flora of South Africa. Vol. 2. Dicotyledones, part 2. Section 1 and 2. Cape Town: Dart. pp. 272.
- MARLOTH, R., 1929. Remarks on the realm of the Cape flora. S. Afr. J. Sci. 26: 154-159.
- MARLOTH, R., 1932. The Flora of South Africa. Vol. 3. Dicotyledones, part 3. Section 1 and 2. Cape Town: Dart. pp. 349.
- MARSHALL, B.E. & FALCONER, A.C., 1973a. Physico-chemical aspects of Lake Mcllwaine (Rhodesia). A eutrophic tropical impoundment. Hydrobiologia 42: 45-62.
- MARSHALL, B.E. & FALCONER, A.C., 1973b. Eutrophication of a tropical African impoundment (Lake Mcllwaine, Rhodesia). Hydrobiologia 43: 109-123.
- MARTIN, A.R.H., 1960a. The ecology of Groenvlei, a South African Fen. 1. The primary communities. J. Ecol. 48: 55-71.
- MARTIN, A.R.H., 1960b. The ecology of Groenvlei, a South African Fen. 2. The secondary communities. J. Ecol. 48: 307-229.
- MARTIN, A.R.H. & NOEL, A.R.A., 1960. The flora of Albany and Bathurst. Grahamstown: Rhodes University. pp. 128.
- MARTINEAU, R.A.S., 1953. Rhodesian wild flowers. London: Longmans. pp. 100.
- MASON, H., 1972. Western Cape Sandveld flowers. Cape Town: Struik.
- MASSON, F., 1776. An account of three journeys from Cape Town into the southern parts of Africa. Phil. Trans. R. Soc. 66: 268-317.
- MAUVE, A.A., 1966. Blomdraende waterplante in Suid-Afrika. Fauna Flora, Pretoria 17: 19-25.
- MAUVE, A.A., 1967. Waterlelies in Suid-Afrika. Fauna Flora, Pretoria 18: 31-35.
- MCDOWELL, B., 1914. Jottings on a traverse from Tsessebi to Makarikari. Proc. Trans. Rhod. scient. Ass. 13.3: 43-48.
- MCKAY, A.D., 1965a. The conditions of the catchment area of rivers and streams feeding Lake St Lucia, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MCKAY, A.D., 1965b. The factors influencing the movement of silt in the catchment area of the rivers and streams feeding Lake St Lucia, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MCKAY, H., 1937. William John Burchell: notes on his Catalogus Geographicus and herbarium of South African plants. S. Afr. J. Sci. 33: 346-350.
- MCLACHLAN, A.J., 1969. The effect of aquatic macrophytes on the variety and abundance of benthic fauna in a newly created lake in the tropics (Lake Kariba). Arch. Hydrobiol. 66: 212-231.
- MCLACHLAN, A.J., 1970. Submerged trees as a substrate for benthic fauna in the recently created Lake Kariba (central Africa). J. appl. Ecol. 7: 253-266.
- MCLACHLAN, A.J., 1974. Recovery of the mud substrate and its associated fauna following a dry phase in a tropical lake. Limnol. Oceanogr. 19: 74-83.
- MCLACHLAN, A.J. & MCLACHLAN, S.M., 1971. Benthic fauna and sediments in the newly created Lake Kariba (central Africa). Ecology 42-52: 800-809.
- MCLACHLAN, A.J., MORGAN, P.R., HOWARD-WILLIAMS, C., MCLACHLAN, S.M. & BOURN, D., 1972. Aspects of the recovery of a saline African lake following a dry period. Arch. Hydrobiol. 70: 325-340.
- MCLACHLAN, S.M., 1971. The rate of nutrient release from grass and dune following immersion in lake water. Hydrobiologia 37: 521-530.
- MEISNER, K.F., 1842. Contributions towards a flora of South Africa. Hooker, Lond. J. Bot. 1: 459-476.
- MEISNER, K.F., 1843. Contributions towards a flora of South Africa. Hooker, Lond. J. Bot. 2: 53-105 & 527-559.
- MENDES, E.J., 1962. Preliminary report on a botanical journey to the Bie-Cuando-Cubango district, Angola, 1959-1960. In Comptes Rendus de la 4e Reunion Plenièr de l'association pour l'étude Taxonomique de la Flore de l'Afrique tropicale (AETFAT), 16-23 Sept. 1960, pp. 333-336. Libonne et Coimbre.
- MENDONCA, F.A., 1953. The vegetation of Mozambique. Lejeunia 16: 127-135.
- MENDONCA, F.A., 1961. Indices fitocorotogicos da vegetacao de Angola. Garcia de Orta 9: 479-483.
- MENDONCA, F.A., 1962. Botanical collectors in Angola. In Comptes Rendus de la 4e Reunion Plenièr de l'association pour l'étude Taxonomique de la Flore de l'Afrique Tropicale (AETFAT), 16-23 Sept. 1960, pp. 111-121. Libonne et Coimbre.
- MERXMULLER, H., 1971. The flora of South West Africa. Mitt. bot. StSamml., Münch. 10: 75.
- MEYER, E.H.F., 1837. Commentariorum de plantis Africae australioris. Leipzig: Voss. pp. 326.
- MEYER, E.H.F., 1873. On the geographical distribution of plants in South Africa. Cape Monthly Magazine 2nd Series. 7: 193-199, 281-290 & 339-347.
- MEYER, P.G., 1969. Einführung in die Pflanzenwelt Südwestafrikas. Windhoek: SWA Wissenschaftliches Gesellschaft. pp. 157.
- MIDDELTON, E.A., 1961. Suspended silt loads in the Tugela River. Civ. Engr. S. Afr. 3,12: 1-8.
- MIDGLEY, D.C., 1972. Memorandum on Mkuze Swamps Management (Mkuze Channel). St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- MILDBRAED, J., 1942. Beiträge zur flora von Deutsch Südwestafrika. Notizbl. bot. Gart. Mus. Berl. 15: 448-471, 633-634 & 757-761.
- MILLARD, N.A.H. & BROEKHUYSEN, G.J., 1966. Report on a biological survey of the St Lucia Lake system. In Report of the Commission of Inquiry into the alleged threat to animal and plant life in St Lucia Lake 1964-1966, pp. 305-321. Pretoria: Government Printer.
- MILLARD, N.A.H. & BROEKHUYSEN, G.J., 1970. The ecology of South African estuaries, part 10. St Lucia: second report. Zool. Afr. 5.2: 277-308.
- MILLARD, N.A.H. & HARRISON, A.D., 1951. The ecology of South African estuaries, part 5. Richards Bay. Trans. R. Soc. S. Afr. 34: 157-179.
- MILLARD, N.A.H. & SCOTT, K.M.F., 1954. The ecology of South African estuaries, part 6. Milnerton estuary and the Diep River, Cape. Trans. R. Soc. S. Afr. 34: 279-324.
- MILLER, O.B., 1926. Mangroves at Sordwana Bay, Northern Zululand. S. Afr. J. nat. Hist. 6: 54-55.
- MILLER, O.B., 1946. Southern Kalahari. Emp. For. Rev. 25: 225-229.
- MILLER, P.M., 1966. An objective survey of plant communities in four catchments in the Highland Sourveld. M.Sc. (Agric.) thesis, University of Natal.
- MILLER, P.M. & BOOYSEN, P. DE V., 1968. The delineation of plant communities in relatively homogeneous grassland. Proc. Grassld Soc. sth. Afr. 3: 43-50.
- MILSTEIN, P. LE S., 1974. The biology of Barberspan, with special reference to the avifauna. Ostrich suppl. 10, pp. 74.
- MITCHELL, B.L., 1962. Some notes of the vegetation of a portion of Wankie National Park. Kirkia 2: 200-209.
- MITCHELL, B.L., 1963. A first list of plants collected in the Kafue National Park. Puku 1: 75-191.
- MITCHELL, D.S., 1967. *Salvinia auriculata* in the estuaries of Lake Kariba. In Proceedings of the 1st Rhodesian Sci. Congress, pp. 64, Bulawayo.
- MITCHELL, D.S., 1969. The ecology of vascular hydrophytes on Lake Kariba. Hydrobiologia 34: 448-464.
- MITCHELL, D.S., 1970. Autecological studies of *Salvinia auriculata* Aubl. Ph.D. thesis, University of London. pp. 669.
- MITCHELL, D.S., 1971. Factors influencing the explosive growth of floating aquatic weeds in tropical areas. Rhod. Sci. News 5: 17-19.
- MITCHELL, D.S., 1972. The Kariba weed: *Salvinia molesta*. Fern Gaz. 10.5: 251-252.
- MITCHELL, D.S., 1973a. Aquatic weeds in man-made lakes. In Ackermann, W.C., White, G.F. & Worthington, E.B. (eds), Man-made lakes: their problems and environmental effects, pp. 606-611. Washington: Amer. Geophys. Union.
- MITCHELL, D.S., 1973b. Supply of plant nutrient chemicals in Lake Kariba. In Ackerman, W.C., White, G.F. & Worthington, E.B. (eds), Man-made lakes: their problems

- and environmental effects. pp. 165-169. Washington: Amer. Geophys. Union.
- MITCHELL, D.S., 1974a. Environmental management in relation to aquatic weed problem. In Mitchell, D.S. (ed.), Aquatic vegetation and its use and control, pp.57-71. Paris: UNESCO.
- MITCHELL, D.S. (ed.), 1974b. Aquatic vegetation and its use and control. Paris: UNESCO.
- MITCHELL, D.S. & MARSHALL, B.E., 1974. Hydrobiological observations on three Rhodesian reservoirs. *Freshwat. Biol.* 4: 61-72.
- MITTEN, W., 1878. List of Hepaticae collected by the Rev. A.E. Eaton at the Cape of Good Hope (August and September 1874). *J. Linn. Soc. (Bot.)* 16: 187-196.
- MOGG, A.O.D., 1929a. The flora of the Vryburg district in relation to the geology. 15th Int. Geol. Congr. 2: 638-650.
- MOGG, A.O.D., 1929b. A preliminary account of the flora of Pretoria in relation to the geology. 15th Int. Geol. Congr. 2: 651-669.
- MOGG, A.O.D., 1929c. Vlei poisoning. Part 2. Ecology. Rep. vet. Res. Un. S. Afr. No. 15, pp. 815-830.
- MOGG, A.O.D., 1955. A preliminary note on the woody plants of the Witwatersrand region in relation to the geology and physiography. *S. Afr. J. Sci.* 51: 301-308.
- MOGG, A.O.D., 1961. The trees, shrubs and woody herbs of the Witwatersrand region in relation to the geology and physiography. Ph.D. thesis, University of the Witwatersrand, pp. 99.
- MOGG, A.O.D., 1963. A preliminary investigation of the significance of salinity in the zonation of species in salt-marsh and mangrove swamp associations. *S. Afr. J. Sci.* 59: 81-86.
- MOGG, A.O.D., 1975. Important plants of Sterkfontein. Johannesburg: University of the Witwatersrand, pp. 178.
- MOLL, E.J., 1965. An account of the plant ecology of the Upper Mgeni catchment. M.Sc. thesis, University of Natal.
- MOLL, E.J., 1967. Forest trees of Natal - a field guide to 200 species. Durban: Wildlife Protection & Conservation Society of South Africa.
- MOLL, E.J., 1968a. A quantitative ecological investigation of the Krantzklou Forest, Natal. *Jl S. Afr. Bot.* 34: 15-25.
- MOLL, E.J., 1968b. An account of the plant ecology of the Hawaan Forest. *Jl S. Afr. Bot.* 34: 61-76.
- MOLL, E.J., 1968c. A plant ecological reconnaissance of the upper Mgeni catchment. *Jl S. Afr. Bot.* 34: 401-420.
- MOLL, E.J., 1968d. Some notes on the vegetation of Mkuzi Game Reserve, Natal. *Lammergeyer* 8: 25-30.
- MOLL, E.J., 1968e. A note on the aquatic vegetation of Midmar Dam, Howick, Natal. *Lammergeyer* 9: 37-41.
- MOLL, E.J., 1969. An investigation of the plant ecology of the Hawaan Forest, Natal, using an ordination technique. *Bothalia* 10: 121-128.
- MOLL, E.J., 1970a. St Lucia's Mangroves. *Natal Wildlife* 11,3: 10-12.
- MOLL, E.J., 1970b. Vegetation studies in the Three Rivers region. Natal. Ph.D. thesis, University of Natal.
- MOLL, E.J., 1972. A preliminary account of the dune communities at Pennington Park, Mtunzini, Natal. *Bothalia* 10: 615-626.
- MOND, T., 1971. Remarques sur les symmetries Floristiques des zones seches nord et sud en Afrique. *Mitt. Bot. StSamml. Münch.* 10: 375-423.
- MONTEIRO, M.I., 1963. Segunda contribuicao para o estudo das diatomaceas do Lago Niassa (Mozambique). *Estudos Ensaios, Docum. Jta Invest. Ultramar* 106: 1-108.
- MONTEIRO, R., 1891. Delagoa Bay: its natives and natural history. London. pp. 274.
- MOOLMAN, J.H., 1946. The Orange River, South Africa. *Geogr. Rev.* 36: 653-674.
- MOORE, S. LE M., 1905. Six new South African plants. *J. Bot., Lond.* 43: 169-173.
- MORGAN, A. & KALK, M., 1970. Seasonal changes in the waters of Lake Chilwa (Malawi) in a drying phase, 1966-68. *Hydrobiologia* 36: 81-103.
- MORIARTY, A., 1975. Wild flowers of Malawi. Cape Town: Purnell.
- MORRIS, B., 1965. Epiphytic orchids of the Limbuli stream, Mlanje. *Soc. Malawi J.* 18: 59-70.
- MORRIS, B., 1967. The wild flowers of Mlanje Mountain. Part 2. *Afr. wild Life* 21: 152-157.
- MORRIS, B., 1968a. The epiphytic orchids of Malawi. *Soc. Malawi J.* 21: 1-3.
- MORRIS, B., 1968b. The epiphytic orchids of the Shire Highlands, Malawi. *Proc. Linn. Soc. Lond.* 179: 51-66.
- MORRIS, J.W., 1967. Descriptive and quantitative plant ecology of Ntshongweni, Natal. M.Sc. thesis, University of Natal.
- MORRIS, J.W., 1969. An ordination of the vegetation of Ntshongweni, Natal. *Bothalia* 10: 89-120.
- MORRIS, P.P.J., 1972. 'n Ekologiese ondersoek van die samestelling en struktuur van verteenwoordigende plantgemeenskappe van die Soetbosveld met spesiale aandag aan die invloed van edafiese faktore op die verspreiding van houtagtige spesies. M.Sc. thesis, Potchefstroom University for CHE.
- MORRIS, R., 1967. The wild flowers of Mlanje Mountain. Part 1. *Afr. wild Life* 21: 71-77.
- MORRIS, R.O., 1973. A survey of South Africa's natural waters. *Wat. Pollut. Control* 72: 139-143.
- MOSS, B. & MOSS, J., 1969. Aspects of the limnology of an endorheic African lake (L. Chilwa, Malawi). *Ecology* 50: 109-118.
- MOSS, M., 1937. A preliminary account of the "Sea Grasses" of Delagoa Bay. *S. Afr. J. Sci.* 33: 344-345.
- MOSTERT, J.W.C., 1958. Studies of the vegetation of parts of the Bloemfontein and Brandfort districts. *Mem. bot. Surv. S. Afr. No.* 31, pp. 226.
- MOUNTAIN, E.D., 1952. The natural history of the Keiskammahoek district. Pietermaritzburg: Shuter & Shooter.
- MUIR, J., 1924. The vegetation of the Riversdale area, Cape Province. *S. Afr. J. nat. Hist.* 6: 417.
- MUIR, J., 1929. The vegetation of the Riversdale area, Cape Province. *Mem. bot. Surv. S. Afr. No.* 13, pp. 82.
- MUNRO, J.L., 1966. A limnological survey of Lake Mellwaine, Rhodesia. *Hydrobiologia* 28: 281-308.
- MUSIL, C.F., 1972. Ecological studies on the aquatic macrophytes of the Pongola River flood plain pans. M.Sc. thesis, University of Natal.
- MUSIL, C.F., 1973. Water plants of Natal - a guide to the important species. Durban: Wildlife Protection and Conservation Society of South Africa.
- MUSIL, C.F., GRUNOW, J.O. & BORNMAN, C.H., 1973. Classification and ordination of aquatic macrophytes in the Pongola River pans, Natal. *Bothalia* 11: 181-190.
- MYRE, M., 1964. A vegetacao do extremo sul da Provincia de Mocambique. *Estudos Ensaios Docum. Jta Invest. Ultramar* 110: 1-145.
- MYRE, M., 1968a. A preliminary vegetation survey of the district of Lourenco Marques. (Mocambique). *Agronomia Mocamb.* 2: 9-17.
- MYRE, M., 1968b. Resenha dos trabalos sobre a flora e a vegetacao de Mocambique. *Contribuicao para o seu estudo. Agronomia Mocamb.* 2: 149-182.
- NÄNNI, U.W., 1968. Report of a visit to St Lucia area, July 1968. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NASH, L.J., BORNMAN, C.H. & HEEG, J., 1972. Physioecology of the Umsinduzi River within the Pietermaritzburg city limits. *Trans. R. Soc. S. Afr.* 40: 197-208.
- NASH, R.P., 1975. The need for fresh water in St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- NATAL, TUGELA BASIN, VEGETATION, 1967. Vegetation of the Tugela basin, Natal. 1:250 000. Edwards, D. *Mem. bot. Surv. S. Afr. No.* 36.
- NEL, C.F., 1966. Plantekologiese studie van die Westelike Karoo. M.Sc. (Agric.) thesis, University of Pretoria.
- NESER, C.P., 1929. Vlei poisoning. Part 1. Rep. vet. Res. Un. S. Afr. No. 15, pp. 805-813.
- NOBLE, R.G., 1974. An evaluation of the conservation status of aquatic biotopes. *Koedoe* 17: 71-83.
- NOEL, A.R.A., 1959. The vegetation of the freshwater swamps of Inhaca Island. *Jl S. Afr. Bot.* 25: 189-206.
- NOLDE, I., 1938. Botanische Studie uber das Hochland von Quela in Angola. *Beih. Repert. Spec. nov. Regni veg.* 15: 35-54.

- NORDENSTAM, B., 1965. Aspects of the Karoo flora. Bot. Notiser 118: 458-459.
- NORDENSTAM, B., 1970. Notes on the flora and vegetation of Etosha Pan, South West Africa. Dinteria 5: 3-18.
- NORDENSTAM, B., 1974. The flora of the Brandberg. Dinteria 11: 1-67.
- NORLINDH, T. & WEIMARCK, H., 1934. Beitrage zur kenntnis der Flora von Sud-Rhodesia 2. Bot. Notiser 87: 64-110.
- NORLINDH, T. & WEIMARCK, H., 1936. Beitrage zur kenntnis der Flora von Sud-Rhodesia 4. Bot. Notiser 89: 1-50.
- NORLINDH, T. & WEIMARCK, H., 1948. Beitrage zur kenntnis der Flora von Sud-Rhodesia 8. Bot. Notiser 101: 17-40.
- NYGAARD, G., 1932. Contributions to our knowledge of the freshwater algae of Africa. Freshwater algae and phytoplankton from the Transvaal. Trans. R. Soc. S. Afr. 20: 101-148.
- OATES, F., 1889. Matabeleland and the Victoria Falls: a naturalist's wanderings in the interior of South Africa. 2nd edn. London: Paul & Trench. pp. 433.
- OVERMEIJER, A.A., 1937. A preliminary list of the plants found in the Kruger National Park. Ann. Transv. Mus. 17: 185-227.
- OVERMEIJER, A.A., SCHWEICKERDT, H.G.R. & VERDOORN, I.C., 1937. An enumeration of plants collected in the northern Transvaal. Bothalia 3: 223-258.
- O.F.S., BETHLEHEM, VEGETATION, 1974. Vegetation map of Bethlehem area. 1:50 000. Scheepers, J.C. D.Sc. thesis, University of Pretoria.
- OLIVIER, M.C., 1966. Die plantegroei en flora van die Worcesterse Veldreservaat. D.Sc. thesis, University of Stellenbosch.
- OSBORNE, P.L., 1972. A preliminary study of the phytoplankton of selected Rhodesian man-made lakes. Rhod. Sci. News 6,10: 294-297.
- OSBORNE, P.L., 1974. The effect of nutrient enrichment on the biomass and species composition of the phytoplankton in Mazoe Dam reservoir, Rhodesia. M.Sc. thesis, University of Rhodesia.
- OWEN-SMITH, G., 1972. The Kaokoveld - last wilderness. Afr. wild Life 26,2: 71-77.
- PAFFEN, K.H., 1950. Die Natuuraumliche Gliederung Sud Afrikan. Erdkunde 4: 94-97.
- PALMER, E., 1965. Neglected plants of Pearston district. Afr. wild Life 19: 275-284.
- PAPENFUS, G.F., 1940. Notes on South African marine algae. 1. Bot. Notiser 93: 200-226.
- PAPENFUS, G.F., 1968. Notes on South African marine algae. 5. JI S. Afr. Bot. 34: 267-287.
- PAREDES, J.F., 1968. Studies on cultures of marine phytoplankton. 3. Chlorophyceae *Micrononas squamata* Manton & Parke (Brackish water). Mems. Inst. Invest. cient. Mocamb. 9A: 249-292.
- PEARSON, H.H.W., 1907. Some notes on a journey from Walfish Bay to Windhuk. Bull. misc. R. bot. Gdns Kew 9: 339-360.
- PEARSON, H.H.W., 1908. Some observations in the *Welwitschia* desert. Rep. S. Afr. Ass. Advmt Sci. 5: 116-117.
- PEARSON, H.H.W., 1910. The travels of a botanist in South West Africa. Geogr. J. 35: 484-513.
- PEARSON, H.H.W., 1915a. Novitates africanae. Ann. Bolus Herb. 1: 20-21, 76-77, 126-133 & 185-197.
- PEARSON, H.H.W., 1915b. On the flora of the Great Karasberg. Ann. Bolus Herb. 1: 1-8.
- PEDRO, J.G., 1948. Afitoecologia da zonagern algodoeira. Lourenco Marques: Centro de Investigacao cientifica algododoria. pp. 43.
- PEDRO, J.G. & BARBOSA, L.A.G., 1955. Esboço de reconhecimento ecologico-agricola de Mocambique. 2. Vegetacao. Mems Trab. Cent. Invest. cient. algod. 23.
- PEGLER, A., 1918. On the flora of Kentani. Ann. Bolus Herb. 2: 1-14, 112-128 & 163-184.
- PENZHORN, B.L., 1970. A check-list of the flowering plants in the herbarium of the Mountain Zebra National Park. Koedoe 13: 131-146.
- PENZHORN, B.L. & OLIVIER, M.C., 1974. A systematic checklist of flowering plants collected in the Addo Elephant National Park. Koedoe 17: 121-136.
- PERCIVAL, R., 1804. An account of the Cape of Good Hope. London: Baldwin. pp. 339.
- PETERS, W.C.H., 1864. Naturwissenschaftliche reise nach Mossambique auf befehl seiner Majes tat des Konings Friedrich Wilhelm IV in den jahren 1842 bis 1848 ausgefuhrt. Botanik. Berlin: Rierner. pp. 584.
- PHÉLINES, R.F., COKE, M. & NICOL, S.M., 1973. Some biological consequences of the damming of the Pongola River. Int. Cong. Large Dams, Madrid.
- PHILLIPS, E.P., 1913. Contribution to the flora of South Africa. Ann. S. Afr. Mus. 9: 111-127.
- PHILLIPS, E.P., 1917a. A contribution to the flora of the Leribe Plateau and environs, with a discussion on the relationships of the floras of Basutoland, the Kalahari and the South-Eastern regions. Ann. S. Afr. Mus. 16: 1-379. \*
- PHILLIPS, E.P., 1917b. Contribution to the flora of South Africa. Ann. S. Afr. Mus. 13: 337-352.
- PHILLIPS, E.P., 1918a. A note on the flora of the Great Winterhoek Range. S. Afr. J. Sci. 15: 226-234.
- PHILLIPS, E.P., 1918b. Some notes on a collecting trip to French Hoek. S. Afr. J. Sci. 15: 450-478.
- PHILLIPS, E.P., 1922. A preliminary note on the flora in the neighbourhood of Bethlehem, O.F.S. S. Afr. J. nat. Hist. 3: 10-16.
- PHILLIPS, E.P., 1926a. The genera of South African flowering plants. Mem. bot. Surv. S. Afr. No. 10, pp. 702.
- PHILLIPS, E.P., 1926b. A preliminary list of the known poisonous plants found in South Africa. Mem. bot. Surv. S. Afr. No. 9, pp. 30.
- PHILLIPS, E.P., 1929. A brief sketch of the flora of the environs of Pretoria. S. Afr. J. Sci. 26: 184-189.
- PHILLIPS, E.P., 1933a. A few interesting South African plants. Pamph. S. Afr. biol. Soc. No. 7, pp. 37-39.
- PHILLIPS, E.P., 1933b. Newly described and newly recorded genera of South African plants. S. Afr. J. Sci. 30: 220-221.
- PHILLIPS, E.P., 1933c. The flora of Barberton. S. Afr. J. Sci. 30: 234-236.
- PHILLIPS, E.P., 1951. The genera of South African flowering plants. Mem. bot. Surv. S. Afr. No. 25, pp. 923.
- PHLEGER, F.D., 1975. Holocene ecology of St Lucia Lagoon, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- PICKWORTH, G., 1969. Water hyacinths in farm dams - a serious problem. Fmg S. Afr. 45: 13-15.
- POCH, R., 1911. Über die Kalahari. Verh. Zool.-bot. Ges. Wien 61: 114-122.
- POCOCK, M.A., 1952. Observations of the occurrence of certain South African seaweeds. S. Afr. J. Sci. 49: 189.
- POLE EVANS, I.B., 1919. The plant geography of South Africa. In Official Year Book No. 3. Pretoria: Government Printer.
- POLE EVANS, I.B., 1920. The veld: its resources and dangers. S. Afr. J. Sci. 17: 1-34.
- POLE EVANS, I.B., 1922. The plant geography of South Africa. In Official Year Book No. 5. Pretoria: Government Printer.
- POLE EVANS, I.B., 1929a. The vegetation of South Africa. In Crocker, H.J. & McCrae, J. (eds), South Africa and Science, pp. 192-214. Johannesburg: South African Association for the Advancement of Science.
- POLE EVANS, I.B., 1929b. The vegetation of South Africa. In Official Year Book No. 12. Pretoria: Government Printer.
- POLE EVANS, I.B., 1936. A vegetation map of South Africa. Mem. bot. Surv. S. Afr. No. 15, pp. 23.
- POLE EVANS, I.B., 1948. A reconnaissance trip through the eastern portion of the Bechuanaland Protectorate, April 1931 and an expedition to Ngamiland, June-July 1937. Mem. bot. Surv. S. Afr. No. 21 pp. 203.
- PONT, J.W., 1930. Lys van populere plantname uit die distrik Kroonstad. Tydskr. Wet. Kuns 8: 222-225.
- PONT, J.W., 1932. Naamlys van die flora van Kroonstad. Tydskr. Wet. Kuns 11: 201-209.
- PONT, J.W., 1933. Naamlys van die flora van Kroonstad. Tydskr. Wet. Kuns 12: 49-52, 151-158 & 194-197.
- POTTS, G. & TIDMARSH, C.E.M., 1937. An ecological study of a piece of Karoo-like vegetation near Bloemfontein. JI S. Afr. Bot. 3: 51-92.
- RANDALL, D., 1957. Factors of economic development and the Okavango delta. Department of Geography Research Paper 47, University of Chicago, Illinois.
- RANGE, P., 1911a. Aus dem deutsch-sudwest-afrikanischen Schutzgebiete. Das Luderitzland Mitt. dt. Schutzgeb. 24: 30-42.

- RANGE, P., 1911b. Die deutsche Sud Kalahari. Z. Ges. Erdk. Berl, pp. 291-310.
- RANGE, P., 1940a. Die Flora des ausser tropischen Sudwestafrika. Verh. bot. Ver. Prov. Brandenb. 80: 37-47.
- RANGE, P., 1940b. The Flora von Deutsch-Sudwestafrika. Ber. dt. bot. Ges. 58: 226-229.
- RATTRAY, J.M. & WILD, H., 1955. Report on the vegetation of the alluvial basin of the Sabi Valley and adjacent areas. Rhodesia agric. J. 52: 484-501.
- RATTRAY, J.M. & WILD, H., 1962. Vegetation map of the Federation of Rhodesia and Nyasaland. Kirkia 2: 94-104.
- REHMAN, A., 1880. Geobotanische stosunki poludniowej Afryki. Krakow: Uniwersytetu Jagiellonskiego. pp. 68.
- RENNIE, J.V.L., 1935. On the flora of a high mountain in South West Africa. Trans. R. Soc. S. Afr. 23: 259-264.
- REY, C.F., 1932. Ngamiland and the Kalahari. Geogr. J. 80: 281-308.
- RICE, E.G. & COMPTON, R.H., 1951. Wild flowers of the Cape of Good Hope. Cape Town: Botanical Society of South Africa.
- RICH, F., 1932. Contributions to our knowledge of the freshwater algae of Africa. 10. Phytoplankton from South African pans and vleis. Trans. R. Soc. S. Afr. 20: 149-188.
- RICH, F., 1935. Contributions to our knowledge of freshwater algae of Africa. 11. Algae from a pan in Southern Rhodesia. Trans. R. Soc. S. Afr. 23: 107-160.
- RICH, F., 1937. Contributions to our knowledge of the freshwater algae of Africa. 12. Some diatoms from the Victoria Falls. Trans. R. Soc. S. Afr. 24: 207-220.
- RICH, F., 1939. Contributions to our knowledge of freshwater algae of Africa. 14. Some desmids from the Transvaal. Trans. R. Soc. S. Afr. 27: 1-15.
- RIDLEY, D. & YOUNG, A., 1966. World vegetation. Cambridge: Cambridge University Press. pp. 96.
- RIGERS, H.H. & DAVIS, D.E., 1972. Nutrient removal by water hyacinth. Weed Sci. 20: 423-428.
- RILEY, H.P., 1963. Families of flowering plants of Southern Africa. Kentucky: University of Kentucky Press. pp. 269.
- RINO, J.A., 1969. Contribucao para o conhecimento das Algas de aqua doce de Mocambique. 1. Revta Cienc. biol. 2: 51-102.
- RINO, J.A., 1971. Contribucao para o conhecimento das Algas de aqua doce de Mocambique. 2. Revta Cienc. biol. 4: 9-55.
- RINO, J.A., 1972. Contribucao para o conhecimento das Algas de aqua doce de Mocambique. 3. Revta Cienc. biol. 5: 121-264.
- ROBERTS, R.D., 1974. A contribution to the limnology of Swartvlei: the effects of physico-chemical factors upon primary and secondary production in the pelagic zone. Ph.D. thesis, Rhodes University.
- ROBERTS, R.D. & SOUTHALL, G.C., 1975. Algal bioassays of two tropical Rhodesian reservoirs. Acta Hydrochem. Hydrobiol. 3: 369-377.
- ROBERTS, B.R., 1961. Preliminary notes on the vegetation of Thaba 'Nchu. JI S. Afr. Bot. 27: 241-251.
- ROBERTS, B.R., 1963. Ondersoek in die plantegroei van die Willem Pretorius Wildtuin met spesiale verwysing na veldbenutting. Koedoe 6: 137-164.
- ROBERTS, B.R., 1966. The ecology of Thaba 'Nchu. A statistical study of vegetation/habitat relationships. Ph.D. (Agric.) thesis, University of Natal.
- ROBERTS, B.R., 1968. The Orange Free State. Acta phytogeogr. succ. 54: 247-250.
- ROBERTS, B.R., 1969. The vegetation of the Golden Gate Highlands National Park. Koedoe 12: 15-28.
- ROBERTS, B.R. & FOURIE, J.H., 1975. Common grasses of the Northern Cape. Bloemfontein: Sendingspers.
- ROBERTSON, T.C., 1958. The story behind famous plant maps. Veldtrust 19,6: 12-13 & 15.
- ROBINSON, E.R. & GIESS, W., 1974. Report on the plants noted on the course of a trip from Luderitz Bay to Spencer Bay, January 10-21, 1974. Dinteria 10: 13-17.
- ROBINSON, G.A., 1969. The Tsitsikama Coastal National Park, South Africa. Biol. Conserv. 2: 72-73.
- ROGERS, F.A., 1909. Provisional list of flowering plants and ferns found in the divisions of Albany and Bathurst. Grahamstown: Guest. pp. 21.
- ROLFE, R.A., 1889. Plants of Matabeleland and Victoria Falls. In Oates, F.(ed.), Matabeleland and the Victoria Falls; a naturalist's wanderings in the interior of South Africa. London: Trench. pp. 433.
- ROSE-INNES, R., 1937. Some observations made in reconnaissance through the karoo region and a portion of the southern grassveld. Johannesburg: University of the Witwatersrand.
- ROSS, J.H., 1972. The flora of Natal. Mem. bot. Surv. S. Afr. No. 39, pp. 418.
- ROSS, J.H., 1973. An analysis of the flora of Natal. Bothalia 11: 103-106.
- ROUX, P.W., 1953. The Noorsveld. Fmg S. Afr. 28: 227-231.
- RUTHERFORD, M.C., 1972a. Notes on the flora and vegetation of the Omurume Plateau - Mountain, Waterberg, South West Africa. Dinteria 7: 3-55.
- RUTHERFORD, M.C., 1972b. Table of occurrence of vascular plant spp. in the 5 zones of the Omurume Plateau-Mountain. Dinteria 8: 14-29.
- RYCROFT, H.B., 1941. The plant ecology of the Karkloof Forest, Natal. M.Sc. thesis, University of South Africa.
- RYCROFT, H.B., 1951. A quantitative ecological study of the vegetation of Biesieslei catchment, Jonkershoek. Ph.D. thesis, University of Cape Town.
- RYCROFT, H.B., 1968. Cape Province. Acta phytogeogr. succ. 54: 235-239.
- SALISBURY, F.S., 1919. Naturalized plants of Albany and Bathurst. Rec. Albany Mus. 3: 162-177.
- SAMPSON, C.G., 1962. The Cape Hangklip Main Site. J. scient. Soc. Univ. Cape Town 5: 24-31.
- SANDER, C.J., 1970. Opbrengsbepaling van veld met 'n elektroniese kapasiteitsinstrument. Proc. Grassld Soc. sth. Afr. 5: 132-136.
- SCHANTZ, H.L. & TURNER, B.L., 1958. Photographic documentation of vegetational changes in Africa over a third of a century. College of Agriculture Report 169, University of Arizona, Tucson. pp. 158.
- SCHEEPERS, J.C., 1966. An ecological and floristic account of the vegetation of Westfalia Estate on the north-eastern Transvaal escarpment. M.Sc. thesis, University of Pretoria.
- SCHEEPERS, J.C., 1975. The plant ecology of the Kroonstad and Bethlehem areas of the Highveld Agricultural Region. D.Sc. thesis, University of Pretoria.
- SCHEEPERS, J.C., VAN DER SCHIJFF, H.P. & KEET, J.D.M., 1968. An ecological account of the *Trema* plantations of Westfalia Estate. Tydskr. Natuurwet. 8: 105-120.
- SCHELPE, E.A.C.L.E., 1943. The plant ecology of the Cathedral Peak area. J. Natal Univ. Coll. scient. Soc. 3: 21-27.
- SCHELPE, E.A.C.L.E., 1946. The plant ecology of the Cathedral Peak area. M.Sc. thesis, University of Natal. pp. 185.
- SCHELPE, E.A.C.L.E., 1961a. The ecology of *Salvinia auriculata* and associated vegetation on Kariba Lake. JI S. Afr. Bot. 27: 181-188.
- SCHELPE, E.A.C.L.E., 1961b. South African epiphytic orchids. I. J. bot. Soc. S. Afr. 47: 15-18.
- SCHELPE, E.A.C.L.E., 1962. An annotated check-list of the epiphytic orchids of South Africa with keys to the genera and species. JI S. Afr. Bot. 28: 279-286.
- SCHELPE, E.A.C.L.E., 1969a. Reviews of tropical African Pteridophyta. I. Contr. Bolus Herb. 1: 1-132.
- SCHELPE, E.A.C.L.E., 1969b. A revised check-list of the Pteridophyta of Southern Africa. JI S. Afr. Bot. 35: 127-140.
- SCHELPE, E.A.C.L.E., 1970. A provisional check-list of the Bryophyta of the Cape Peninsula. Contr. Bolus Herb. 2: 49-70.
- SCHELPE, E.A.C.L.E. & ALSTON, A.H.G., 1952. An annotated check-list of the Pteridophyta of southern Africa. JI S. Afr. Bot. 18: 153-176.
- SCHENCK, A., 1903. Sudwest-Afrika. Vegetationsbilder 1: 25-30.
- SCHIMPER, A.F.W., 1903. Plant geography upon a physiological basis. Oxford: Clarendon Press. pp. 839.
- SCHINZ, H., 1887. Durch Sudwestafrika. Verh. Ges. Erdk. Berl. 14: 322-324.
- SCHINZ, H., 1888. Beitrage zur Kenntniss der Flora von Deutsch-Sudwestafrika und der angrenzenden Gebiete. Verh. bot. Ver. Prov. Brandenb. 29: 44-64 & 30: 138-186 & 229-276.
- SCHINZ, H., 1891a. Deutsch-Sudwest-Afrika. Forschungsreisen durch die deutschen Schutzgebiete Gross-Nama- und Hereroland, nach dem Kunene, dem Ngami-see und der Kalahari 1884-1887. Oldenburg: Schulzische Hof-Buchhandlung. pp. 568.

- SCHINZ, H., 1891b. Observations sur une collection de plantes du Transvaal. Bull. Soc. bot. Geneve 6: 65-72.
- SCHINZ, H., 1905. Plantae Menyharianae: ein Beitrag zur kenntnis der flora des unteren Sambesi. Denkschr. Akad. Wiss., Wien. 78: 367-445.
- SCHINZ, H., 1911. Deutsch-Sudwest-Afrika in botanischer Beziehung. I. Vjschr. Naturf. Ges. Zurich 56: 51-109.
- SCHINZ, H., 1936. Plantas Menyharianas. 2. Contribuicao para o estudo da flora do Zambeze inferior. Bolm Soc. Estud. Mocamb. 5,29: 39-55.
- SCHINZ, H. & JUNOD, H., 1898. Pflanzenwelt der Delagoa Bay. Bull. Herb. Boissier 7: 870-892.
- SCHINZ, H. & JUNOD, H., 1900. Pflanzenwelt der Delagoa Bay. Mem Herb. Boissier 10: 25-79.
- SCHINZ, H. & JUNOD, H., 1903. Pflanzenwelt der Delagoa Bay. Bull. Herb. Boissier ser 2,3: 653-662.
- SCHMIDT-EISENLOHR, W.F., 1967. Beziehungen zwischen oberflächengestalt, klima und vegetation von Noord-Transvaal. Erdkunde 21: 12-25.
- SCHOEMAN, F.R., 1969. Diatoms from Orange Free State (South Africa) and Lesotho. Revta Biol., Lisb. 7: 35-74.
- SCHOEMAN, F.R., 1970a. Diatoms from the Orange Free State, South Africa, and Lesotho. 1. Beih. Nova Hedwigia 31: 331-353.
- SCHOEMAN, F.R., 1970b. Diatoms from the Orange Free State (South Africa) and Lesotho. 3. Botanica mar. suppl. 13 : 49-72.
- SCHOEMAN, F.R., 1972a. Diatoms from sewage works in the Republic of South Africa and South West Africa. Revta Biol., Lisb. 8,1/4: 57-94.
- SCHOEMAN, F.R., 1972b. A further contribution to the diatom flora of sewage-enriched waters in Southern Africa. Phycologia 11: 239-245.
- SCHONFELDER, E., 1935. Sudost-Angola und der westliche Caprivi-Zipfel. Petermanns geogr. Mitt., pp. 49-52 & 87-89.
- SCHONLAND, S., 1907. The flowering plants found in the districts of Albany and Bathurst, Cape Colony. Rec. Albany Mus. 2: 98-136.
- SCHONLAND, S., 1910. On some flowering plants from the neighbourhood of Port Elizabeth. Trans. R. Soc. S. Afr. 1: 441-446.
- SCHONLAND, S., 1919a. Phanerogamic flora of Uitenhage and Port Elizabeth. Mem. bot. Surv. S. Afr. No. 1, pp. 118.
- SCHONLAND, S., 1919b. A summary of the distribution of the genera of South African flowering plants with special reference to those found in the divisions of Uitenhage and Port Elizabeth. Trans. R. Soc. S. Afr. 7: 19-58.
- SCHROTER, C., 1928. Über die vegetation von Sudafrica. Verh. schweiz. naturf. Ges. 109: 194-195.
- SCHULTZ-BIPONT, C.H., 1944. Compositae Kraussianae capensis-natalenses. vel Enumeratio compositaru m a. cl. Dr F. Krauss annis 1838-40 in territorio capensi et natalensi. Flora 2: 1-44.
- SCHULTZE, L., 1907. Aus Namaland und Kalahari. Jena: Fisher. pp. 7521.
- SCHUTTE, K.H. & ELSWORTH, J.F., 1954. The significance of large pH fluctuations observed in some South African vleis. J. Ecol. 42: 148-150.
- SCHUURMAN, J.F.M., 1932. A seasonal study of the microflora and microfauna of Florida Lake, Johannesburg, Transvaal. Trans. R. Soc. S. Afr. 20: 333-386.
- SCHWARZ, E.H.L., 1920. The Kalahari or thirstland redemption. Cape Town: Maskew Miller. pp. 163.
- SCHWEICKERDT, H.G., 1933. A preliminary account of the vegetation in the neighbourhood of the Zoutpan in the Northern Transvaal. S. Afr. J. Sci. 30: 270-279.
- SCHWEICKERDT, H.G., 1934. A short account of the succulent flora of the Transvaal. Cactus J. 3: 30-31.
- SCHWEICKERDT, H.G., 1935. A short account of the succulent flora of the Transvaal. Cactus J. 4: 41-47.
- SCHWEICKERDT, H.G., 1937a. An account of the South African species of *Tribulus* Tourn. ex Linn. Bothalia 3: 159-178.
- SCHWEICKERDT, H.G., 1937b. Newly recorded genera of South African flowering plants. S. Afr. J. Sci. 33: 327-329.
- SCOTT, J.D., 1939. A preliminary report on methods of thorn scrub eradication. S. Afr. J. Sci. 36: 224.
- SCOTT, J.D., 1945. Major veld types of Natal. Fmg S. Afr. 20: 495-500.
- SCOTT, J.D., 1947. Veld management in South Africa. Bull. Dep. Agric. Un. S. Afr. No. 278, pp.40.
- SCOTT, J.D., 1949. A contribution to the study of the Drakensberg Conservation Area. D.Sc. thesis, University of the Witwatersrand.
- SCOTT, K.M.F., ALLANSON, B.R. & CHUTTER, F.M. (eds), 1971. Orange River project: working group for ORP-hydrobiology of the Fish and Sundays Rivers. CSIR Res. Rep. No. 306, pp. 61.
- SCOTT, K.M.F., HARRISON, H.D. & MACNAE, W., 1952. The ecology of South African estuaries. Part 2. The Klein River estuary, Hermanus. Trans. R. Soc. S. Afr. 33: 283-331.
- SEAGRIEF, S.C., 1950. Studies in the plant ecology of Fern Kloof near Grahamstown. M.Sc. thesis, Rhodes University. pp. 89.
- SEAGRIEF, S.C., 1962. The Lukanga swamps - Northern Rhodesia. JI S. Afr. Bot. 28: 3-7.
- SEAGRIEF, S.C. & DRUMMOND, R.B., 1958. Some investigations on the vegetation of the north-eastern part of Makari salt pan, Bechuanaland. Proc. Trans. Rhod. scient. Ass. 46: 103-133.
- SEINER, F., 1909. Ergebnisse einer Beseisungzwischen Okavango und Sambesi (Caprivi- Zipfel) in den jahren 1905 und 1906. Mitt. dt. Schutzgeb. 22: 1-112.
- SEINER, F., 1910. Trockensteppen der nordlichen und mittleren Kalahari. Vegetationsbilder 8: 1-6.
- SEINER, F., 1911. Pflanzengeographische Beobachtungen in der Mittel-Kalahari. Bot. Jb. 46: 1-50.
- SHANTZ, H.L. & MARBUT, C.F., 1923. The vegetation and soils of Africa. New York: National Research Council & American Geographical Society. pp. 263.
- SHAW, H.K.A., 1947. The vegetation of Angola. J. Ecol. 35: 23-48.
- SIM, T.R., 1891. Handbook of the ferns of Kaffraria. Cape Town. pp. 63.
- SIM, T.R., 1892. The ferns of South Africa. Cape Town: Cambridge University Press. pp. 275.
- SIM, T.R., 1910. The flora of Portuguese East Africa. S. Afr. J. Sci. 6: 294-301.
- SIM, T.R., 1927. Check list of the bryophyta of South Africa. 2nd edn. Pietermaritzburg: Royal Society of South Africa. pp. 32.
- SIMONS, R.H., 1972. South African seaweeds. Agric. Res., Pretoria, pp. 28-29.
- SIMPSON, C.D., 1975. A detailed vegetation study on the Chobe River in north-east Botswana. Kirkia 10: 185-227.
- SMITH, C.A., 1966. Common names of South African plants. Mem. bot. Surv. S. Afr. No. 35, pp. 642.
- SMITH, K.L. (Jr), 1971. A device for sampling immediately above the sediment-water interface. Limnol. Oceanogr. 16: 657-677.
- SMUTS, J.C. & HUTCHINSON, J., 1933. The vegetation of Schoemanskloof, eastern Transvaal. Bull. misc. Inf. R. bot. Gdns Kew, pp. 417-427.
- SMYTH, C.P., 1886. Flora of South Africa. Nature, Lond. 34: 99-100.
- SOARES, F.A. & BARRETO, L.S., 1972. A zonagem ecologica de Mozambique segundo o sistema de Holridge. Revista de Ciencias Argonomicas Serie A 5: 29-40.
- SOLCH, A., 1960. Beitrage zu einer Flora Sudwest-Afrikas. D.Sc. thesis, Ludwig-Maximilians-Universitat, München. pp. 151.
- STAPF, O., 1904. Die Gliederung der Graserflora van Sudafrica: Eine pflanzengeographische Skizze. Berlin: Borntraeger. pp. 391-412.
- STAPLES, R.R. & HUDSON, W.K., 1938. An ecological survey of the mountain area of Basutoland. London: Crown Agents for Colonies. pp. 68.
- STEPHENS, E.L., 1924. Notes on the aquatic flora of South Africa. S. Afr. J. Sci. 21: 339-342.
- STEPHENS, E.L., 1929. Fresh water aquatic vegetation of the South-Western District. In Adamson, R.S., Compton, R.H., Van der Byl, P.A., Stephens, E.L. & Levyns, M.R., The botanical features of the south-western Cape Province. pp. 81-95. Cape Town: Speciality Press.
- STEPHENSON, T.A., 1939. The constitution of the intertidal fauna and flora of South Africa. Part 1. J. Linn. Soc. (Zool.) 40: 487-536.

- STEPHENSON, T.A., 1944. The constitution of the intertidal fauna and flora of South Africa. Part 2. Ann. Natal Mus. 10: 261-358.
- STEPHENSON, T.A., 1948. The constitution of the intertidal fauna and flora of South Africa. Part 3. Ann. Natal Mus. 11: 207-324.
- STEPHENSON, T.A., STEPHENSON, A. & BRIGHT, K.N.F., 1938. The South African zone and its relation to ocean currents. 4. The Port Elizabeth district. Ann. Natal Mus. 9: 1-20.
- STEPHENSON, T.A., STEPHENSON, A. & DAY, J.H., 1941. The South African intertidal zone and its relations to ocean currents. 8. Lamberts Bay and the west coast. Ann. Natal Mus. 9: 345-380.
- STEPHENSON, T.A., STEPHENSON, A. & DU TOIT, C.A., 1937. The South African intertidal zone and its relation to ocean currents. 1. A temperate Indian Ocean Shore. Trans. R. Soc. S. Afr. 24: 341-382.
- STEVENSON-HAMILTON, J., 1952. South African Eden; from Sabi Game Reserve to Kruger National Park. London: Cassell. pp. 131.
- STEWART, P.G., 1965. Report on four visits surrounding the northern end of the St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- STEYN, D.G., 1944. Poisonous and non-poisonous algae (waterbloom, scum) in dams and pans. Fmg S. Afr. 19: 465-466 & 472.
- STEYN, D.J., 1973. Die eutrofikasiepeile van vier Transvaalse damme. M. Sc. thesis, University of Pretoria.
- STEYN, D.J., SCOTT, W.E., TOERIE, D.F. & VISSER, J.H., 1975. The eutrophication levels of some South African impoundments. 1. Rietveldam. Water S. A. 1,2: 45-52.
- STEYN, D.J., TOERIE, D.F. & VISSER, J.H., 1975. Eutrophication levels of some South African impoundments. 2. Hartbeespoort Dam. Water S.A. 1,3: 93-101.
- STIGAND, A.G., 1913. Notes on Ngamiland. Trans. R. Soc. S. Afr. 3: 379-391.
- STIGAND, A.G., 1923. Ngamiland. Geogr. J. 62: 401-419.
- STINDT, H.W., CELLIERS, P.G., JOUBERT, J.G.V. & PEROLD, I.S., 1965. The nutritive value of natural pastures in the Humansdorp area in the south-east Cape Province of the Republic of South Africa. Tech. Commun. Dep. agric. tech. serv. (S. Afr.) Pretoria, No. 45, pp. 13.
- STONEMAN, B., 1906. Plants and their ways in South Africa. London: Longmans. pp. 283.
- STORY, R., 1953. A botanical survey of the Keiskammahoek district. D.Sc. thesis, University of the Witwatersrand.
- SUESSENGUTH, K. & MERXMUELLER, H., 1951. A contribution to the flora of the Marandellas district, Southern Rhodesia. Proc. Trans. Rhod. Scient. Ass. 43: 87.
- SWYNNERTON, C.F.M., RENDLE, A.B., BAKER, E.G., MOORE, S. & GEPP, A., 1911. Contribution to our knowledge of the flora of Gazaland. J. Linn. Soc. (Bot.) No. 40, pp. 1-245.
- SZYSZYLOWICZ, I., 1888a. *Polypetolae disciflorae* Rehmmanianae. Rozpr. Akad. Umiej. 17: 1-75.
- SZYSZYLOWICZ, I., 1888b. *Polypetolae thalamiflorae* Rehmmanianae. Rozpr. Akad. Umiej. 18: 96-167.
- TALJAARD, M.S., 1938. On the physiography of an area in the North-Eastern Transvaal (A) and an area in Northern South West Africa (B). Annale Univ. Stellenbosch Serie A 16, 1: 1-25.
- TAYLOR, H.C., 1972a. A sketch of the vegetation of South Africa. Veld & Flora 2: 52-55.
- TAYLOR, H.C., 1972b. Notes on the vegetation of the Cape Flats. Bothalia 10: 637-646.
- TEIXEIRA, J.B., 1960. Contribuicao para o estudo da flora do Cuando-Cubongo. Agronomia angol. 12: 97-133.
- TEIXEIRA, J.B., 1968. Angola. Acta phytogeogr. succ. 54: 193-197.
- THERON, G.K., 1973. 'n Ekologiese studie van die plantegroei van die Loskopdam natuurreservaat. D.Sc. thesis, University of Pretoria.
- THODE, J., 1890. Die Kustenv egetation von British-Kaffrien und ihr Verhaltnis zu den Nachbarfloren. Bot. Jb. 12: 589-607.
- THODE, J., 1901. The botanical regions of Natal determined by altitude. Durban: Durban Field Naturalists' Society. pp. 16.
- THOMAS, P.I., 1970. A Chitonga-botanical dictionary of some species occurring in the vicinity of the Mwenza Estuary, Lake Kariba, Rhodesia. Kirkia 7: 269-284.
- THOMAS, P.I., 1972. Ecological and biochemical investigations at Nkai, Rhodesia. M.Phil. thesis, University of London.
- THOMASSON, K., 1965. Notes on the algal vegetation on Lake Kariba. Nova Acta R. Soc. Scient. Upsal. 19: 1210-1247.
- THOMPSON, G.M., 1954. An account of the intertidal zone at Isipingo beach. M.Sc. thesis, University of Natal.
- THONNER, F., 1915. The flowering plants of Africa, an analytical key to the genera of African phanerogams. London: Dulau. pp. 647.
- THORRINGTON-SMITH, E., 1952. The Tugela Basin. Natal Town & Regional Planning Commission Report 1, Pietermaritzburg. pp. 180.
- THORRINGTON-SMITH, E., 1960. Towards a plan for the Tugela Basin. Natal Town & Regional Planning Commission Report 5, Pietermaritzburg. pp. 266.
- THUNBERG, C.P., 1823. Flora Capensis. Stuttgart: Cottae. pp. 803.
- TINLEY, K.L., 1958a. A preliminary report on the ecology of Lake Sibayi, Tongoland. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- TINLEY, K.L., 1958b. A preliminary report on the ecology of the Kosi Lake System, Tongaland. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- TINLEY, K.L., 1966. An ecological reconnaissance of the Moremi Wildlife Reserve, Northern Okavango Swamps, Botswana. Johannesburg: Okavango Wildlife Society. pp. 146.
- TINLEY, K.L., 1971a. Etosha and the Kaokoveld. Afr. wild Life suppl. 25, 1, pp. 16.
- TINLEY, K.L., 1971b. Lake St Lucia and its peripheral sand catchment. The ecology and implications of proposals to reprieve a condemned system. Wildlife Society of Southern Africa. pp. 62.
- TOERIE, D.F., 1974. The role of algal growth kinetics in the control of eutrophication problems. News Lett. Limnol. Soc. sth. Afr. 22: 37-46.
- TOERIE, D.F., HATTINGH, W.H.J., KOTZE, J.P., THIEL, P.G. & SIEBERT, M.L., 1969. Factor analysis as an aid in an ecological study of aerobic digestion. Wat. Res. 3: 129-140.
- TOERIE, D.F. & HUANG, C.H., 1973. Algal growth prediction using growth kinetic constants. Wat. Res. 7: 1673-1681.
- TOERIE, D.F., HYMAN, K.L. & BRUWER, M.J., 1975. A preliminary trophic status classification of some South African impoundments. Water S.A. 1: 15-23.
- TOERIE, D.F. & STEYN, D.J., 1973. Application of algal bioassays in eutrophication analysis. S. Afr. J. Sci. 69: 72-82.
- TOERIE, D.F. & STEYN, D.J., 1975. The eutrophication levels for South African impoundments. Verh. int. Verein. theor. angew. Limnol. 19: 1947-1956.
- TOMLINSON, R.W., 1974. Preliminary biogeographical studies on the Inyanga Mountains, Rhodesia. S. Afr. geogr. J. 56: 15-26.
- TORRE, A.R., 1962. New and little known species from the Flora Zambesiaca Area Part 13. Bol. Soc. Brot. Ser. 2,36: 67-70.
- TRAUSELD, W.R., 1970. Wild flowers of the Natal Drakensberg. Cape Town: Purnell.
- TREICHEL, J., 1959. Etosha Pan - in the largest wildlife reserve. Anim. Kingd. 62: 130-136.
- TRIMEN, R., 1873. Vegetation of Little Namaqualand. J. Bot., Lond. 11: 381-382.
- TWYMAN, E.S. & ASHTON, P.J., 1972. An autecological investigation of the aquatic fern (*Azolla* species) in relation to the Hendrik Verwoerd Dam. Civ. Engr S. Afr. 14,2: 88-89.
- TYRRELL-GLYNN, W., & LEVYNS, M.R., 1963. Flora Africana. South African botanical books 1600-1963. Cape Town: South African Public Library. pp. 77.
- VAHRMEIJER, J., 1966. Notes on the vegetation of northern Zululand. Afr. wild Life 20: 151-161.
- VAN BRED, N.G., 1937. A method of charting Karoo vegetation. S. Afr. J. Sci. 34: 265-267.
- VAN DEN BERG, J.A., ROBERTS, B.R. & VORSTER, L.F., 1975. Die uitwerking van seisoenbeweiding op die bedekking en samestelling van *Cymbopogon-Themadaveld*. Proc. Grassld Soc. sth. Afr. 10: 111-117.

- VAN DER BIJL, D., 1932. On the African veld. *Cactus Succ. J.*, Los Ang. 3: 170-171.
- VAN DER LINGEN, M.I., 1972. Conservation of aquatic ecosystems. *Rhod. Sci. News* 6: 300.
- VAN DER MERWE, G., 1967. The future of Lake St Lucia. *Bokmakierie* 19,2: 31-32.
- VAN DER MERWE, P., 1962. Floristiese opname van Swartboskloof Stellenbosch en die herstel van die flora na 'n brand. M.Sc. thesis, University of Stellenbosch.
- VAN DER MERWE, P., 1966. Die flora van Swartboskloof, Stellenbosch en die herstel van die soorte na 'n brand. *Annale Univ. Stellenbosch Serie* 41,14: 691-736.
- VAN DER SCHIJFF, H.P., 1958. Ekologiese studie van die flora van die Nasionale Krugerwildtuin. D.Sc. thesis, Potchefstroom University for CHE. pp. 434.
- VAN DER SCHIJFF, H.P., 1962. The vegetation of the Kruger National Park. *Jl S. Afr. biol Soc.* 3: 21-22.
- VAN DER SCHIJFF, H.P., 1963. A preliminary account of the vegetation of the Mariepskop complex. *Fauna Flora, Pretoria* 14: 42-53.
- VAN DER SCHIJFF, H.P., 1964. Die ekologie en verwantskappe van die sandveld flora van die Nasionale Krugerwildtuin. *Koedoe* 7: 56-76.
- VAN DER SCHIJFF, H.P., 1965. Die invloed van termitaria op die plantegroei van die Nasionale Krugerwildtuin. *Tydskr. Natuurwet.* 5: 48-54.
- VAN DER SCHIJFF, H.P., 1969a. A checklist of the vascular plants of the Kruger National Park. *Publs Univ. Pretoria, New Series* No. 53, pp. 1-100.
- VAN DER SCHIJFF, H.P., 1969b. The affinities of the flora of the Kruger National Park. *Kirkia* 7: 109-120.
- VAN DER SCHIJFF, H.P., 1971. Die plantegroei van die distrikte Potgietersrus, Pietersburg en Soutpansberg in die noordelike Transvaal. *Tydskr. Natuurwet.* 11,2: 108-144.
- VAN DER SCHIJFF, H.P. & SCHOONRAAD, E., 1971. The flora of the Mariepskop Complex. *Bothalia* 10: 461-500.
- VAN DER WALT, J.L., 1962. Onderzoek na 'n objektiewe metode van plantopname in die Sneeubergreeks. M.Sc. (Agric.) thesis, University of Pretoria. pp. 69.
- VAN DER WALT, P.T., 1968. A plant ecological survey of the Noorsveld. *Jl S. Afr. Bot.* 34: 215-234.
- VAN DER WALT, P.T., 1972. 'n Plantekologiese opname van Boschberg en sy omliggende gebiede met spesiale verwysing na die weidingsfaktor. Ph. D. thesis, University of Natal.
- VAN LAAR, A., 1962. A comparative test of the accuracy and efficiency of two hypsometers. *Jl S. Afr. For. Ass.* No. 43, pp. 22-25.
- VAN LIENDEN, W.G., 1959. Memorandum regarding the drainage and reclamation of a large tract of swamp lands belonging to the Crown, situated near the mouth of the Umfolozi and Umsinduzi Rivers, Zululand. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- VAN RENSBURG, H.J., 1968. Multipurpose survey of the Kafue River Basin. Vol. 4: Ecology of the Kafue Flats. Part 2. List of plant species. Rome: FAO.
- VAN RENSBURG, H.J., 1972. The ecology of the Kafue basin in Zambia; an analysis of the plant ecology report which forms a part of the Kafue basin multipurpose survey carried out under the auspices of the Food and Agriculture organisation. Ph.D. thesis, University of the Witwatersrand.
- VAN VUUREN, D.R.J. & VAN DER SCHIJFF, H.P., 1970. Vergelykende ekologiese studie van die plantegroei van 'n noordelike en suidelike kloof van die Magaliesberg. *Tydskr. Natuurwet.* 10: 16-84.
- VAN WYK, J.J.P., 1959. 'n Sistemies-ekologiese studie van die plantegroei van die plaas Koedoesfontein, No. 746 en omgewing in die Rustenburg distrik. M.Sc. thesis, Potchefstroom University for CHE. pp. 165.
- VAN WYK, P., 1971. A supplementary list of the flowering plants occurring in the Kruger National Park. *Koedoe* 14: 111-121.
- VAN ZINDEREN BAKKER, E. M. (Sr), 1955. A preliminary survey of the peat bogs of the alpine belt of northern Basutoland. *Acta geogr.* 14: 413-422.
- VAN ZINDEREN BAKKER, E. M. (Sr), 1965. Über Moorvegetation und den Aufbau der Moore in Süd- und Ostafrika. *Bot. Jb.* 84: 215-231.
- VAN ZINDEREN BAKKER E.M. (Sr), KEULDER, P.C. & STEGMAN, P., 1972. Limnological and primary production studies of the Hendrik Verwoerd Dam and its catchment. *Civ. Engr S. Afr.* 14,2: 82-83.
- VAN ZINDEREN BAKKER, E.M. (Sr) & WERGER, M.J.A., 1974. Environment, vegetation and phytogeography of the high-altitude bogs of Lesotho. *Vegetatio* 29: 37-49.
- VAN ZYL, G.N., 1973. A plan for the St Lucia Lake Estuary. Natal Town & Regional Planning Report No. 27, Pietermaritzburg, pp. 36.
- VEGELER, P., 1920. Beobachtungen in Sudwest Angola und in Ambolande. *Z. Ges. Erdk. Berl.*, pp. 179-193.
- VENTER, A.D., 1962. Studies on the Ngongoni veld of the Natal Mist Belt. M.Sc. thesis, University of Natal.
- VENTER, H.J.T., 1966. 'n Floristies-ekologiese studie van die plantegroei van die Ubisanavallei, Ngoye-berg Zeeoelands. M.Sc. thesis, Potchefstroom University for CHE.
- VENTER, H.J.T., 1971a. A preliminary checklist to the Pteridophyta and Spermatophyta of the grassland and swamp communities of the Ngoye Forest Reserve, Zululand. *Jl S. Afr. Bot.* 37: 103-108.
- VENTER, H.J.T., 1971b. An ecological survey of the grasslands of the Ngoye Forest Reserve, Zululand. *Jl S. Afr. Bot.* 37: 213-218.
- VENTER, H.J.T., 1971c. Ekologie van die plantegroei van Richardsbaai. *S. Afr. J. Sci.* 67: 52-55.
- VENTER, H.J.T., 1972. An annotated checklist of the vascular flora of the Ubisana Valley, Mtunzini, Zululand. *Jl S. Afr. Bot.* 38: 215-235.
- VENTER, P.J., 1952. An early botanist and conservationist at the Cape. The Reverend John Croumbie Brown, L.L.D., F.R.G.S., F.L.S. Archives Year Book for S.A. History 15,2: 279-293.
- VERBOOM, W.C., 1965. The use of aerial photographs for vegetation surveys in relation with tsetse surveys in Zambia. *Publs int. Train. Cent. aer. Surv. Ser. B.* 28.
- VERDOORN, I.C., 1942. 'n Inleiding tot plantkunde en tot enige Transvaalse veldblomme. Pretoria: Van Schaik. pp. 46.
- VERDOORN, I.C., 1947. Preliminary checklist of the flora of Fauresmith. Botanical Research Institute Library, Pretoria. pp. 20.
- VERDOORN, I.C., 1958. The proposed flora of South Africa. *S. Afr. J. Sci.* 54: 74.
- VERDOORN, I.C., 1969. Notes on the vegetation of the Fountains Valley, Pretoria. *S. Afr. J. Sci.* 26: 190-194.
- VERSTER, E., DE VILLIERS, J.M. & SCHEEPERS, J.C., 1973. Gilgai in the Rustenburg area. *Agrochemophytica* 4: 57-62.
- VESEY-FITZGERALD, D.F., 1963. Annotated list of grasses collected in the Congo drainage basin of Northern Rhodesia and Tanganyika. *Kirkia* 3: 78-111.
- VOLK, O.H., 1964. Die afro-meridional-occidentale Floren-Region in S.W. Afrika. In Kreeb, K., Beiträge zur phytologie, pp. 1-16. Stuttgart: Ulmer.
- VOLK, O.H., 1966. Die Florengebiete von Südwestafrika. *Jl S.W. Africa scient. Soc.* 20: 25-58.
- VOLK, O.H. & LEIPPERT, H., 1971. Vegetationsverhältnisse in Windhoek Bergland, Südwestafrika. *Jl S.W. Africa scient. Soc.* 25: 5-44.
- WAGER, H.A., 1917. A check-list of the mosses of South Africa. Pretoria, pp. 20.
- WAGER, V.A., 1928. The structure and life history of South African Lagarosiphons and notes and descriptions of a few uncommon water plants. *Trans. R. Soc. S. Afr.* 16: 191-204.
- WAGER, V.A., 1972. Kosi Bay. *Afr. wild Life.* 26,2: 81-86.
- WAGER, V.A. & ROWE-ROWE, D.A., 1972. The effects of *Tilapia rendalli* and *T. mossambica* on aquatic macrophytes and fauna in five ponds. *S. Afr. J. Sci.* 68: 257-260.
- WALTER, H., 1936a. Die ökologischen verhältnisse in der Namib-Nebelwüste (Südwestafrika) unter Auswertung der Aufzeichnungen von Dr. G. Boss (Swakopmund). *Jb. Wiss. Bot.* 84: 58-222.
- WALTER, H., 1936b. Die ökologischen verhältnisse in der nebelwüste Namib. *Ber. dt. bot. Ges.* 54: 39-44.
- WALTER, H., 1936c. Die vegetationsverhältnisse in der Namib-Nebelwüste. *Forschn Fortschr.* 12: 293-294.
- WALTER, H., 1962. Die vegetation der Erde in ökologischer

- Betrachtung. 1. Die tropischen und subtropischen Zonen. Jena: Fischer. pp. 538.
- WALTER, H., 1971. Ecology of tropical and sub-tropical vegetation. Edinburgh: Oliver & Boyd. pp. 539.
- WALTER, H., 1973. Die vegetation der erde in oko-physiologischer betrachtung. 1. Die tropischen und subtropischen zonen. 3rd edn. Stuttgart: Fischer. pp. 743.
- WARD, C.J., 1962. Report on weed growth in the upper reaches of St Lucia Estuary. St Lucia documentation Centre, Natal Parks Board, St Lucia Estuary.
- WARD, C.J., 1971. The plant ecology of the Isipingo beach area, Natal, South Africa. M.Sc. thesis, University of Natal.
- WATERMEYER, J.C., 1900. Notes on a journey in German South West Africa. Trans. S. Afr. phil. Soc. 11: 19-33.
- WEARE, P.R. & YALALA, A., 1971. Provisional vegetation map of Botswana. Botswana Notes and Records 3: 131-147.
- WEARNE, W.D., 1963. Preliminary notes on the ecological history of the St Lucia Lake. St Lucia Documentation Centre, Natal Parks Board, St Lucia Estuary.
- WEINTROUB, D., 1930. The aquatic and sub-aquatic vegetation and flora of the Witwatersrand. M.Sc. thesis, University of the Witwatersrand.
- WEINTROUB, D., 1933. A preliminary account of the aquatic and sub-aquatic vegetation and flora of the Witwatersrand. J. Ecol. 21: 44-57.
- WEISS, F.E., 1906. Some aspects of the vegetation of South Africa. New Phytol. 4: 223-232 & 5: 1-9.
- WEISS, F.E. & YAPP, R.H., 1906. Sketches of vegetation at home and abroad. 3. The Karoo in August. New Phytol. 5: 101-115.
- WELLINGTON, J.H., 1933. The middle course of the Orange River. S. Afr. geogr. J. 16: 58-68.
- WELLINGTON, J.H., 1949. A new development scheme for the Okovango delta, northern kalahari. Geogr J. 113: 62-69.
- WELLINGTON, J.H., 1955. Southern Africa: a geographical study. Vol 1. Physical geography. Cambridge: Cambridge University Press. pp 528.
- WELLINGTON, J.H., 1970. Zambesi-Okovango development projects. Geogr Rev. 39: 552-567.
- WELLS, M.J., 1960. The climate and vegetation of the Loskop Dam Nature Reserve. Fauna Flora, Pretoria 11: 21-36.
- WELLS, M.J., 1963. An account of the plant ecology of the Nagle Dam area of Natal. M.Sc. thesis, University of Natal.
- WELLS, M.J., 1964. The vegetation of the Jack Scott Nature Reserve. Fauna Flora, Pretoria 15: 17-25.
- WELLS, M.J. & STREY, R.G., 1961. Plants of the Abel Erasmus Pass. Fauna Flora, Pretoria 12: 25-37.
- WELSH, H., 1964a. A contribution to our knowledge of the blue-green algae of South West Africa. Nova Hedwigia 7: 15-32.
- WELSH, H., 1964b. A method of cleaning diatoms and the preparation of permanent slides for ecological survey work. News Lett. Limnol Soc. sth. Afr. No. 1, pp. 39-47.
- WELSH, H., 1965. A contribution to our knowledge of the blue-green algae of South West Africa and Bechuanaland. Nova Hedwigia 9: 131-162.
- WELWITSCH, F., 1859. Letters on the vegetation of west equinoctial Africa. J. Linn. Soc. (Bot.) 3: 150-157.
- WELWITSCH, F., 1861. The botany of Benguela, Mossamedes in Western Africa. J. Linn. Soc. (Bot.) 5: 182-187.
- WELWITSCH, F., 1869. Sertum Angolense, sive slurpium quaraundam novarum vel minus cognitarum in itinere per Angolum et Benguellam observatarum. Trans. Linn. Soc. Lond. 27: 1-94.
- WERGER, M.J.A., 1973a. An account of the plant communities of Tussen die Riviere Game Farm, Orange Free State. Bothalia 11: 165-176.
- WERGER, M.J.A., 1973b. Notes on the phytogeographical affinities of the southern Kalahari. Bothalia 11: 177-180.
- WERGER, M.J.A., 1973c. Phytosociology of the Upper Orange River Valley, South Africa. A syntaxonomical and synecological study. Ph.D. thesis, University of Nijmegen.
- WERGER, M.J.A., KRUGER, F.J. & TAYLOR, H.C., 1972a. Pflanzensoziologische studie der Fynbosvegetation am kap der Guten Hoffnung. Vegetatio 24: 71-89.
- WERGER, M.J.A., KRUGER, F.J. & TAYLOR, H.C., 1972b. A phytosociological study of the Cape fynbos and other vegetation at Jonkershoek, Stellenbosch. Bothalia 10: 599-614.
- WERTHER, E., 1935. De kalahari. Wiss. Veroff. Mus. Landerk. Lpz. 3: 36-94.
- WEST, O., 1943. The vegetation of Weenen County - an ecological account of the vegetation of the Estcourt and Weenen districts. D.Sc. thesis, University of the Witwatersrand.
- WEST, O., 1951. The vegetation of Weenen County, Natal. Mem. bot. Surv. S. Afr. No. 23, pp. 158.
- WHITE, E., 1968. Man-made lakes in tropical Africa and their biological potentialities. Biol. Conserv. 1: 219-224.
- WHITE, F., 1968. Zambia. Acta geogr. succ. 54: 208-215.
- WHITE, F., 1971. Third interim report on the atlas of ecologically important plant species in Africa. Mitt. bot. StSamml., Münch. 10: 161.
- WHITE, F., 1973. Vegetation map of Africa. Kirkia 9: 20-21.
- WHYTE, A., 1894. The plants of Manje, Nyasaland. Trans. Linn. Soc. Lond. (Bot.) 4: 1-67.
- WICHT, C.L., 1940. Afrikaanse Bosboomname. JI S. Afr. For. Ass. No. 5, pp. 41-61.
- WILD, H., 1951. Some records of phytogeographical interest from Southern Rhodesia. Proc. Trans. Rhod. scient. Ass. 43: 8-11.
- WILD, H., 1952a. A guide to the flora of Victoria Falls. In Clark, J.D.(ed.), The Victoria Falls. Livingstone: Committee for the Preservation of Natural & Historical Monuments & Relics.
- WILD, H., 1952b. Southern Rhodesian aquatic plants. Rhodesia agric. J. 49: 111-125.
- WILD, H., 1952c. The vegetation of Southern Rhodesia termitaria. Rhodesia agric. J. 49: 280-292.
- WILD, H., 1953. Vegetation survey of the Changara (PEA)-Mkoto Reserve (S. Rhodesia area). Rhodesia agric. J. 50: 407-419.
- WILD, H., 1954. A Southern Rhodesian botanical dictionary of Native and English plant names. Salisbury: Government Printer. pp. 139.
- WILD, H., 1955a. Common Rhodesian weeds. Salisbury: Government Printer. pp. 213.
- WILD, H., 1955b. Observations on the vegetation of the Sabi-Lundi Junction area. Rhodesia agric. J. 52: 533-546.
- WILD, H., 1956. The principal phytogeographic elements of the Southern Rhodesian flora. Proc. Trans. Rhod. Scient. Ass. 44: 2-9.
- WILD, H., 1958. Botanical notes relating to the Van Niekerk Ruins. In Summers, R., Inyanga prehistoric settlements in Southern Rhodesia. Cambridge: Cambridge University Press.
- WILD, H., 1959. New and little known species from the Flora Zambesiaca area. Bolm Soc. broteriana, Ser. 2,33: 69-95.
- WILD, H., 1962. Harmful aquatic plants in Africa and Madagascar. Kirkia 2: 1-66.
- WILD, H., 1964a. A guide to the flora of the Victoria Falls. In Fagan, B.M. (ed.), The Victoria Falls, pp. 141-181. Livingstone Committee for Preservation of Natural & Historical Monuments & Relics.
- WILD, H., 1964b. The endemic species of the Chimanimani Mountains and their significance. Kirkia 4: 125-157.
- WILD, H., 1965a. The vegetation of Rhodesia. In Rhodesia, its natural resources and economic development. Salisbury: Collins.
- WILD, H., 1965b. Additional evidence for the Africa-Madagascar-India-Ceylon Landbridge theory with special reference to the genera *Antisopappus* and *Commiphora*. Webbia 19: 497-505.
- WILD, H., 1965c. The flora of the Great Dyke of Southern Rhodesia with special reference to the serpentine soils. Kirkia 5: 49-86.
- WILD, H., 1968a. Bechuanaland protectorate. Acta. phytogeogr. succ. 54: 198-202.
- WILD, H., 1968b. Phytogeography in South Central Africa. Kirkia 66: 197-222.
- WILD, H., 1968c. Rhodesia. Acta phytogeogr. succ. 54: 202-207.
- WILD, H., 1968d. Regional synthesis of south tropical Africa. Acta phytogeogr. succ. 54: 232-233.
- WILD, H., 1974. Variations in the serpentine floras of Rhodesia. Kirkia 9: 209-232.
- WILLAN, R. G. M., 1940. Notes on the vegetation of northern Nyasaland. Emp. For. J. 19: 48-61.
- WILLIAMSON, J., 1956. Useful plants of Malawi. 2nd edn Zomba: Government Press.

- WILMAN, M., 1946. Preliminary check-list of the flowering plants and ferns of Griqualand West. Cambridge: Deighton Bell, pp 381.
- WILMANN, O., 1975. Pflanzensoziologische Eindrücke aus der Capensis. In Dierschke, H. (ed.), Vegetation und Substrat. Berichte der Internationalen Symposien der Internationalen Vereinigung für Vegetationskunde, pp. 529-548. Vaduz: Cramer.
- WILSON, B.H., 1974. Some natural and manmade changes in the channels of the Okavango Delta. Botswana Notes and Records 5: 132-153.
- WISS, H.J., 1957. Brandberg Expedition 1955. Ein Bericht über die gesammelten und beobachteten pflanzen. JI S.W. Africa scient. Soc. 12: 45-68.
- WITTMANN, G.T.W. & FORSTNER, U., 1975. Metal environment of sediments in inland waters the Hartbeespoort Dam. Water S.A. 1,2: 76-82.
- WOOD, J.M., 1877. A popular description of the Natal ferns. Durban: T.L. Cullingworth. pp. 40.
- WOOD, J.M., 1888. An analytical key to the natural orders and genera of Natal indigenous plants. Durban: Robinson, Vause and Co. pp 49.
- WOOD, J.M., 1889. Flora of Durban and vicinity. Rep. Natal Bot. Gdn Colon. Herb., pp. 19-20.
- WOOD, J.M., 1894. Preliminary catalogue of indigenous Natal plants. Durban. pp. 47.
- WOOD, J.M., 1902. Natal plants. Vol. 2. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1904. Natal plants. Vol. 3. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1905. Some indigenous plants of Natal. Rep. S. Afr. Ass. Advmt Sci. 3: 542.
- WOOD, J.M., 1906. Natal Plants. Vol 4. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1907. Handbook to the flora of Natal. Durban: Bennett. pp. 202.
- WOOD, J.M., 1908a. Natal plants. Vol. 5. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1908b. Revised list of the flora of Natal. Trans. S. Afr. phil. Soc. 18: 121-280.
- WOOD, J.M., 1910. Revised list of the flora of Natal. Trans. R. Soc. S. Afr. 1: 453-472.
- WOOD, J.M., 1912. Natal plants. Vol. 6. Durban: Government and Durban Botanic Society.
- WOOD, J.M., 1913. Addendum to revised list of the flora of Natal. Trans. R. Soc. S. Afr. 3: 47-60.
- WOOD, J.M., 1915. List of trees, shrubs and a selection of herbaceous plants, growing in Durban Municipal Botanic Gardens. Durban: Bennett & Davis. pp. 111.
- WOOD, J.M. & EVANS, M.S., 1899. Natal plants. Vol. 1. Durban: Government and Durban Botanic Society.
- WOOD, J.M. & EVANS, M.S., 1911. Natal Plants. Durban: Bennett.
- WOODS, D.B. & MOLL, E.J., 1967. Multivariate analysis of grassland in the Three Rivers area, Natal. Proc. Grassld Soc. sth. Afr. 2: 103-111.
- WORDSWORTH, R., HUTCHINSON, J., BOWES, F. & BOLUS, L., 1923. Flowering plants collected in South West Africa by the Percy Sladen Memorial Expedition 1915-1916. Ann. Bolus Herb. 3: 33-34.
- WRIGHT, W.G., 1963. The wild flowers of Southern Africa. Natal. Johannesburg: Nelson. pp. 168.
- YOUNG, R.G.N., 1933. An account of a botanical excursion through northern Angola. Pamph. S. Afr. biol. Soc. No. 6. pp. 25-32.
- YOUNG, W.P., 1953. Memories of the Nyika Plateau. Nyasald J. 6: 45-52.
- ZUK, S., 1971. Freshwater fauna and flora in Africa south of the Sahara, 1960-1962: a bibliography. Johannesburg: University of the Witwatersrand Department of Bibliography, Librarianship & Typography. pp. 25.



PART 2.— ECOLOGICAL THESAURUS

The Ecological Thesaurus has two main functions.

- (a) as an indexing aid for reference retrieval from the Ecology Section Literature Index (ESLI) data base, which was developed by the Botanical Research Institute;
- (b) as an aid to understanding the hierarchical relationships of concepts listed according to sense.

The hierarchical arrangement of concepts, however, led to:

- (i) concepts with broad meanings having too many words for efficient retrieval;
- (ii) each rank in the hierarchy having to be encoded.

The use of Universal Decimal Classification numbers for the higher ranks overcame these problems. The UDC numbers and their meanings are listed in both the Ecological Thesaurus and a Classified Subject Index. The Classified Subject Index and Ecological Thesaurus, singly or in combination, provide the computer codes by which literature is retrieved from the data bank, namely keywords.

1 DEFINITIONS

1.1 Classified Subject Index (CSI)

The Classified Subject Index is a classified index of broad ecological subject categories and appropriate Universal Decimal Classification (UDC) numbers. See Appendix 1.

1.2 Ecological Thesaurus (ET)

The Ecological Thesaurus is an alphabetical listing of concepts cross-referenced hierarchically with status and relationships indicated.

1.3 Concept

A concept is an expression which is listed alphabetically in the Ecological Thesaurus and, if the expression is a subject heading, also classified in the Classified Subject Index.

- (a) A Broad Concept (BC) is a subject category hierarchically arranged in the Classified Subject Index with the appropriate Universal Decimal Classification number as 'keyword'. It is also listed alphabetically in the Ecological Thesaurus.
- (b) A Narrow Concept (NC) is a subdivision of one or more Broad Concepts, alphabetically arranged in the Ecological Thesaurus. Keyword(s) are derived from the Narrow Concept.

- (c) A Related Concept (RC) is an expression either related to, or synonymous with a Broad or Narrow Concept and therefore not used for retrieval.

1.4 Keyword Indicator (USE)

USE indicates the keyword(s) that are to be used to retrieve literature. Keywords are represented by Universal Decimal Classification numbers for Broad Concepts and words for Narrow Concepts and may be the same word as the Narrow Concept.

1.5 Term

The expressions listed under every concept in the Ecological Thesaurus are associated with the concept and are called terms. Each term is also listed as a concept with its own related term(s). In this way cross-referencing is accomplished. The hierarchical status and relationship of terms to concepts are indicated by the following notations to identify the terms:

- (a) AT indicates an Applicable Term. It is a term applicable for retrieval and is either related or synonymous with a Broad, Narrow or Related Concept.
- (b) BT indicates a Broader Term. It is a term with a broader meaning than a Broad or Narrow Concept.
- (c) NT indicates a Narrower Term. It is a term with a narrower meaning than a Broad or Narrow Concept.
- (d) RT indicates a Related Term. It is a term similar to a Broad, Narrow or Related Concept. It is not used for retrieval.
- (e) ST indicates a Synonymous Term. It is a synonym of a Broad or Narrow Concept and is not used to retrieve literature.

2 SUMMARY OF NOTATIONS

The following is a schematic summary of the terms and concepts and their status as used in the Ecological Thesaurus.

BC Broad Concept	Retrieval Concepts	Status of concepts
NC Narrow Concept		
RC Related Concept	Non retrieval concept	
USE Keyword indicator		
AT Applicable Term	Relationship of concepts (cross references)	
BT Broader Term		
NT Narrower Term		
RT Related Term		
ST Synonymous Term		

3 CROSS-REFERENCING IN THE ECOLOGICAL THESAURUS

The applicable-, related- and synonymous terms of every concept are listed for cross-referencing purposes. Each retrieval concept *must* have a Broader and Narrower Term, which represent the Broad- and Narrow Concepts,

to indicate hierarchical rank, except for the top and bottom hierarchical levels. In the case of concepts composed of more than one word, the components that do not follow the hierarchical line of the concept (non-retrieval components) are cross-referenced uni-directionally. In all other cases cross-referencing is bi-directional. The following is a summary of how cross-referencing is accomplished:

Uni-directional cross-referencing

<i>Concept a</i> (more than one word)	<i>Concept b</i> (Non-retrieval component)	<i>Used for retrieval:</i>
	AT	only AT

Bi-directional cross-referencing

<i>Concept a</i>	<i>Concept b</i>	<i>Used for retrieval:</i>
AT	RT	only AT
AT	ST	only AT
AT	AT	both terms
BT	NT	both terms
RT	RT	neither term

EXAMPLES OF CROSS-REFERENCING

3.1 Two concepts, only one word used for retrieval

3.1.1 Retrieval by means of U.D.C. codes:

ILLUMINATION AT LIGHTING	RC					LIGHTING USE: 125 BT ..... NT ..... RT ILLUMINATION	BC
		AT		RT			

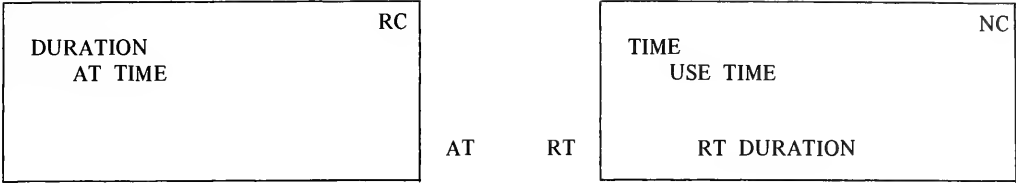
3.1.2 For geographical locations:  
(a) if it is a synonym

IRISH REPUBLIC AT EIRE	RC					EIRE USE: (123 BT BRITISH ISLES ST IRISH REPUBLIC	BC
		AT		ST			

(b) if it is a related term

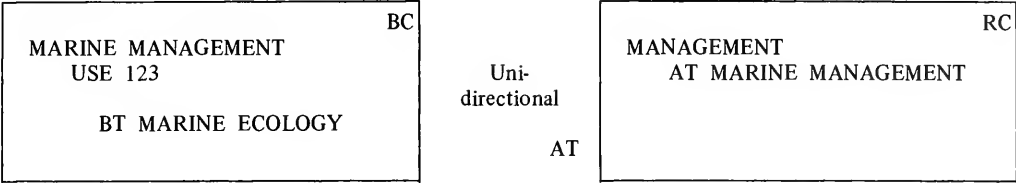
UNITED KINGDOM AT BRITISH ISLES	RC					BRITISH ISLES USE: (12 NT EIRE RT UNITED KINGDOM	BC
		AT		RT			

3.2 Retrieval by means of a keyword



3.3 Compound Concepts (more than one word)

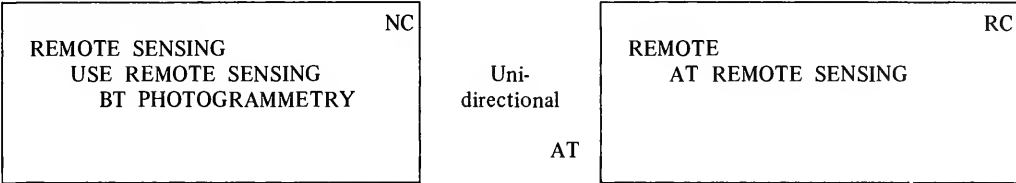
3.3.1 Retrieval by means of UDC codes:



DO NOT mention management  
or marine on this card

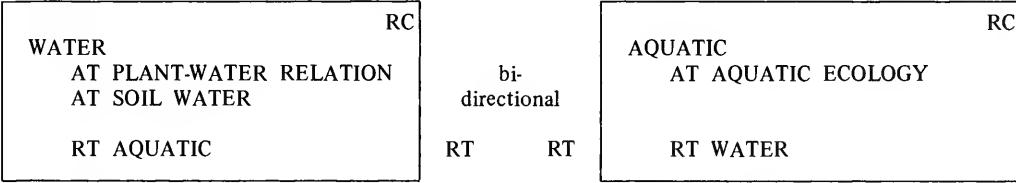
+  
similar card for MARINE

3.3.2 Retrieval by means of Keywords:



+  
similar card for SENSING

3.4 To cross-reference related terms (neither of which is used)



NOTE: The broad subject categories into which the thesaurus terms are divided appear in parentheses.



# THESAURUS

AARDVARK	NC	AGROCLIMATOLOGY	RC
USE AARDVARK		AT BIOCLIMATOLOGY	
BT MAMMAL			
ABSORPTION	RC	AIR	RC
AT SOUND ABSORPTION		AT AIR POLLUTION	
		AT AIRBORNE PARTICLE	
ABUNDANCE	NC	AT AIR LAYER	
USE ABUNDANCE		AT AIR PHOTO	
BT STATISTICAL PARAMETER		AT AIR TEMPERATURE	
RT SPECIES ABUNDANCE		RT AERIAL	
A – C HORIZON (Environment)	BC	AIRBORNE PARTICLE	NC
USE 581 52:631 472 6		USE AIRBORNE PARTICLE	
BT SOIL PROFILE		BT WIND	
NT DEFINITION		NT SALT	
ACTINOMETER	NC	AIR LAYER	NC
USE ACTINOMETER		USE AIR LAYER	
BT PRACTICAL METEOROLOGY		BT WIND	
ADAPTATION	RC	AIR PHOTO	NC
RT ADJUST		USE AIR PHOTO	
		BT PHOTOGRAPHY	
ADJUST	RC	NT MINIMUM AREA	
AT PLANT ADJUSTMENT		AIR POLLUTION	NC
AERIAL	RC	USE AIR POLLUTION	
RT AIR		BT PLANT/VEGETATION INDICATOR	
		NT AIR POLLUTION INDEX	
AFFORESTATION	NC	AIR POLLUTION INDEX	NC
USE AFFORESTATION		USE INDEX	
BT FORESTRY		BT AIR POLLUTION	
AT RE-VEGETATION			
AFRO-ALPINE	RC	AIR TEMPERATURE	BC
AT AFRO-ALPINE BIOME		USE 581 52:551 524 (Environment)	
		BT RADIATION AIR TEMPERATURE	
AGRICULTURE	BC	NT APPARATUS	
USE 6:577 4:63 (Applied ecology)		NT WARM	
BT APPLIED ECOLOGY		ALGA	BC
NT DRAINAGE		USE 582 26 (Autecology)	
NT HORTICULTURE		BT SYSTEMATIC BOTANY	
NT IRRIGATION		BT LOWER ORGANISM	
NT LAND RECLAMATION		BT SOIL BIOLOGY	
NT FORAGE GRASS		NT DIATOM	
NT FORESTRY		NT RHODOPHYCEAE	
NT GAME MANAGEMENT		NT CHLOROPHYCEAE	
NT CROP			

ALLELOPATHY	NC	ANTHOPHYTA	RC
USE ALLELOPATHY		USE 1st GENUS NO. IN DYER &	
BT PLANT EXUDATE		88888 PUT IN TAXON FIELD	
ALPHABETIC REFERENCE WORK	BC	APPARATUS	NC
USE ((03 (Reference works and maps)		USE APPARATUS	
BT REFERENCE WORK		BT AUTECOLOGICAL REQUIREMENT	
NT DICTIONARY GLOSSARY		BT ANALYTICAL REQUIREMENT	
NT ENCYCLOPAEDIA		BT SYNTHETIC REQUIREMENT	
ALTITUDE	NC	NT POPULATION PLOTTER	
USE ALTITUDE		NT SCRIBE	
BT RELIEF		NT PSYCHROMETER	
ALUMINIUM	NC	BT AIR TEMPERATURE	
USE ALUMINIUM		NT NEUTRON PROBE	
BT MINERALOGY		NT STAVE-POINT	
BT REACTION		NT HYPSONETER	
BT CATION EXCHANGE		APPLIED	RC
BT INORGANIC SOIL COMPONENT		AT APPLIED ECOLOGY	
AMMONIA	NC	APPLIED ECOLOGY	BC
USE AMMONIA		USE 6:577 4 (Applied ecology)	
BT INORGANIC SOIL COMPONENT		NT AGRICULTURE	
ANALYSIS	BC	NT ECOLOGICAL CONSERVATION	
USE 581 524:167 2 (Synecology)		NT ENVIRONMENTAL MANAGEMENT	
AT MULTIVARIATE ANALYSIS		AQUATIC	RC
AT SOIL ANALYSIS		NT AQUATIC VEGETATION	
AT UNIVARIATE ANALYSIS		AT AQUEOUS VAPOUR	
BT SYNECOLOGY		AT AQUATIC BIOME	
NT ANALYTICAL REQUIREMENT		RT WATER	
NT REMOTE SENSING		AQUATIC VEGETATION	BC
NT SAMPLING		USE 577 472 (Vegetation descr.)	
NT STATISTICAL PARAMETER		NT ESTUARY	
ANALYTICAL REQUIREMENT	BC	NT LAKE	
USE 581 524:167 2.001 2 (Synecology)		NT RIVER	
BT ANALYSIS		NT WETLAND	
NT APPARATUS		NT MARINE	
ANATOMY	RC	AQUEOUS VAPOUR	BC
AT ECOLOGICAL ANATOMY		USE 581 52:551 57 (Environment)	
ANIMAL	BC	BT METEOROLOGY	
USE 581 52:581 073 (Environment)		NT CLOUD	
BT BIOTIC FACTOR		NT CONDENSATION	
NT BIRD		NT EVAPORATION	
NT MAMMAL		NT FOG MIST	
NT WILD ANIMAL		NT HUMIDITY	
NT GRAZE		NT PRECIPITATION	
NT INSECT		NT SOIL MOISTURE	
NT EARTHWORM		ARCHITECTURE	RC
NT SNAIL		RT FORM	
NT FISH		AREA	RC
RT INVERTEBRATA		AT SPECIES-AREA	
ANT	NC	AT MINIMUM AREA	
USE ANT		ARID	NC
BT INSECT		USE ARID	
ANTELOPE	NC	BT CLIMATE TYPE	
USE ANTELOPE		ARSENIC	NC
BT MAMMAL		USE ARSENIC	

BT SPOIL		NT PLANT MORPHOLOGY	
BT INORGANIC SOIL COMPONENT		NT PLANT – WATER RELATION	
		NT SPECIES DISTRIBUTION MAPPING	
ASPECT	NC	NT PHYSICAL FACTOR	
USE ASPECT			
BT RELIEF		AUTOMATIC CLASSIFICATION	RC
		AT CLUSTERING	
ASSESSMENT	RC	AUTUMN	RC
AT IMPACT ASSESSMENT		AT SEASON	
ASSOCIATION	RC		
AT ASSOCIATION THEORY			
AT SYNTAXONOMIC ASSOCIATION		BACILLARIOPHYTA	RC
AT ASSOCIATION MODEL		AT DIATOM	
AT ASSOCIATION ANALYSIS			
ASSOCIATION ANALYSIS	NC	BACTERIUM	BC
USE ASSOCIATION ANALYSIS		USE 582 231 (Autecology)	
BT MULTIVARIATE ANALYSIS		BT LOWER ORGANISM	
		BT SYSTEMATIC BOTANY	
ASSOCIATION MODEL	NC	NT VIRUS	
USE ASSOCIATION			
BT MODEL		BALANCE	RC
		AT WATER BALANCE	
ASSOCIATION THEORY	NC	BASAL COVER	NC
USE ASSOCIATION		USE BASAL	
BT SYNECOLOGICAL THEORY		BT COVER	
ATMOSPHERE	RC	BASALT	NC
AT ATMOSPHERIC PRESSURE		USE BASALT	
AT SOIL ATMOSPHERE		BT IGNEOUS ROCK	
AT ATMOSPHERIC STRUCTURE			
ATMOSPHERIC PRESSURE	BC	BEACH	RC
USE 581 52:551 54 (Environment)		USE SHORE	
BT METEOROLOGY			
ATMOSPHERIC STRUCTURE	NC	BELT	RC
USE ATMOSPHERIC STRUCTURE		AT BELT TRANSECT	
BT ATMOSPHERIC STRUCTURE			
MECHANICS THERMODYNAMICS		BELT TRANSECT	NC
		USE BELT TRANSECT	
ATMOSPHERIC STRUCTURE MECHANICS		BT QUADRAT	
THERMODYNAMICS	BC	BIBLIOGRAPHY	BC
USE 581 52:551 51 (Environment)		USE 016 (Reference works and maps)	
BT METEOROLOGY		NT REVIEW	
NT MECHANICS			
NT ATMOSPHERIC STRUCTURE		BIOCLIMATOLOGY	BC
NT THERMODYNAMICS		USE 581 52:551 586 (Environment)	
AUTECOLOGICAL REQUIREMENT	BC	BT CLIMATOLOGY	
USE 581 522.001 2 (Autecology)		RT AGROCLIMATOLOGY	
BT AUTECOLOGY			
NT APPARATUS		BIOENERGETICS	BC
		USE 577 4:5773 (Autecology)	
AUTECOLOGY	BC	BT ECOSYSTEM	
USE 581 522 (Autecology)		NT ENTROPY	
BT PLANT ECOLOGY			
NT AUTECOLOGICAL REQUIREMENT		BIOGEOCOENOLOGY	RC
NT ECOLOGICAL ANATOMY		AT ECOSYSTEM	
NT ECOPHYSIOLOGY			
NT PHENOLOGY		BIOGRAPHY	BC
NT PLANT ADJUSTMENT		USE ((092 (Reference works and maps)	
NT PLANT MIGRATION		BT REFERENCE WORK	

BIOLOGICAL CONTROL USE BIOLOGICAL CONTROL BT ECOLOGICAL CONSERVATION	NC	WOODLAND/SAVANNA/SCRUB BIOME USE 5	BC
BIOLOGICAL FACTOR USE 581 52:631 484 (Environment) BT PEDOGENESIS NT SOIL-PLANT RELATIONSHIP	BC	BIOMETRY USE 574:51:578 087 1 (Synecology) BT BIOMATHEMATICS NT VARIABILITY	BC
BIOLOGY AT SOIL BIOLOGY AT BIOLOGICAL FACTOR AT BIOTIC FACTOR AT BIOLOGICAL CONTROL	RC	BIOSYSTEMATIC USE BIOSYSTEMATIC BT POPULATION ECOLOGY	NC
BIOMASS USE 577 4:578 087 75 (Autecology) BT ECOSYSTEM	BC	BIOTIC FACTOR USE 581 52:581 (Environment) BT ENVIRONMENT NT ANIMAL NT LOWER ORGANISM NT PLANT NT PLANT EXUDATE NT SYMBIOSIS	BC
BIOMATHEMATICS USE 574:51 (Synecology) NT BIOMETRY NT COMPUTER NT DATA PROCESSING NT FORMULA NT MODEL	BC	BIRD USE BIRD BT ANIMAL	NC
BIOME AT AFRO-ALPINE BIOME AT AQUATIC BIOME AT DESERT BIOME AT FOREST BIOME AT FYNBOS BIOME AT GRASSLAND BIOME AT KAROO BIOME AT WOODLAND/SAVANNA/SCRUB BIOME	RC	BLOWDOWN USE BLOWDOWN BT WIND	NC
AFRO-ALPINE BIOME USE 4	BC	BOG AT WETLAND	RC
AQUATIC BIOME USE 8	BC	BORON USE BORON BT CHEMICAL SOIL PROPERTY BT NUTRIENT CYCLING	NC
DESERT BIOME USE 7	BC	BRAUN-BLANQUET USE BRAUN-BLANQUET BT QUALITATIVE OBSERVATION RT ZURICH-MONTPELLIER SCHOOL	NC
FOREST BIOME USE 2	BC	BRIDGE AT BRIDGE POINT	RC
FYNBOS BIOME USE 1	BC	BRIDGE POINT USE BRIDGE POINT BT PLOTLESS	NC
GRASSLAND BIOME USE 3	BC	BRYOPHYTA USE 1st GENUS NO. IN DYER & 88888 PUT IN TAXON FIELD	RC
KAROO BIOME USE 6	BC	BULK-DENSITY DETERMINATION USE BULK-DENSITY DETERMINATION BT SOIL SURVEY AT DENSITY	NC
SAVANNA BIOME AT WOODLAND/SAVANNA/SCRUB BIOME	RC	BUOYANCY TECHNIQUE USE BUOYANCY TECHNIQUE BT SAMPLING	NC
SCRUB BIOME AT WOODLAND/SAVANNA/SCRUB BIOME	RC		

BURN	NC	CHART	NC
USE BURN		USE CHART	
BT FIRE		BT CHART. MAP. PLAN	
BUSHVELD	RC	CHART. MAP. PLAN	BC
AT SAVANNA		USE 912 43 (Reference works and maps)	
AT WOODLAND		BT GRAPHIC AND CARTOGRAPHIC REPRESENTATION	
		NT CHART	
		NT MAP	
		NT PLAN	
CACTUS	NC		
USE CACTUS		CHECK-LIST	NC
BT FORAGE PLANT		USE CHECK-LIST	
		BT PHYTOGEOGRAPHY	
CALCIUM	NT		
USE CALCIUM		CHEMICAL	RC
BT ECOPHYSIOLOGY		AT CHEMICAL SOIL PROPERTY	
		AT CHEMICAL FACTOR	
CALCRETE	NC		
USE CALCRETE		CHEMICAL CONTROL	NC
BT SEDIMENTARY ROCK		USE CHEMICAL CONTROL	
		BT ECOLOGICAL CONSERVATION	
CANOPY	NC		
USE CANOPY		CHEMICAL FACTOR	BC
BT COVER		USE 581 52:631 483 (Environment)	
NT CANOPY INDEX		BT PEDOGENESIS	
		NT LEACH	
CANOPY INDEX	NC		
USE INDEX		CHEMICAL SOIL PROPERTY	BC
BT CANOPY		USE 581 52:631 41 (Environment)	
		BT SOIL	
CAPILLARY	NC	NT BORON	
USE CAPILLARY		NT COLLOIDAL SOIL PROPERTY	
BT SOIL MOISTURE		NT INORGANIC SOIL COMPONENT	
BT SOIL WATER		NT ION EXCHANGE	
		NT ORGANIC SOIL COMPONENT	
CARBON	RC	NT SOIL REACTION pH	
AT CARBON DIOXIDE			
CARBON DIOXIDE	NC	CHLORIDE	NT
USE CARBON DIOXIDE		USE CHLORIDE	
BT ECOPHYSIOLOGY		BT INORGANIC SOIL COMPONENT	
		AT SALT	
CARBOHYDRATE	NT	AT SALT CONTENT	
USE CARBOHYDRATE			
BT ECOPHYSIOLOGY		CHLOROPHYCEAE	NC
		USE CHLOROPHYCEAE	
CATCHMENT	NC	BT ALGA	
USE CATCHMENT			
BT HYDROGRAPHY		CHLOROPHYLL	NT
		USE CHLOROPHYLL	
CATION EXCHANGE	BC	BE ECOPHYSIOLOGY	
USE 581 52:631 413 4 (Environment)			
BT ION EXCHANGE		CHROMIUM	NC
NT ALUMINIUM		USE CHROMIUM	
		BT INORGANIC SOIL COMPONENT	
CAVE	NC		
USE CAVE		CIRCADIAN	RC
BT LAND FORM		RT DAILY	
CERRADO	RC	CLASS	RC
AT SAVANNA		AT FORMATION CLASS	

CLASSIFICATION	RC	BT GROWTH FORM	
AT CLASSIFICATION THEORY		RT CREEPER	
AT LAND CLASSIFICATION AND USE			
AT SOIL CLASSIFICATION		CLOUD	BC
RT VEGETATION CLASSIFICATION		USE 581 52:551 576 (Environment)	
		BT AQUEOUS VAPOUR	
CLASSIFICATION THEORY	NC		
USE CLASSIFICATION		CLUSTERING	NC
BT SYNECOLOGICAL THEORY		USE CLUSTERING	
NT PHYTOCENOSE		BT PROGRAM	
		RT AUTOMATIC CLASSIFICATION	
CLAY MINERAL	NC		
USE CLAY MINERAL		COAST	RC
BT COLLOIDAL SOIL PROPERTY		AT SHORE	
		AT COASTAL FLAT	
CLEAR FELLING	RC		
AT DEFORESTATION		COASTAL FLAT	NC
		USE COASTAL FLAT	
CLEAR CUTTING	RC	BT LAND FORM	
AT DEFORESTATION			
CLIMATE TYPE	BC	COLLOID	RC
USE 581 52:551 584 (Environment)		AT COLLOIDAL SOIL PROPERTY	
BT CLIMATOLOGY			
NT ARID		COLLOIDAL SOIL PROPERTY	BC
		USE 582 52:632 414 (Environment)	
CLIMATIC VARIATION	BC	BT CHEMICAL SOIL PROPERTY	
USE 581 52:551 583 (Environment)		NT CLAY MINERAL	
BT CLIMATOLOGY			
NT PALAEOCLIMATOLOGY		COMMENSALISM	NC
NT SEASON		USE COMMENSALISM	
NT CLIMATIC VARIATION INDICATOR		BT SYMBIOSIS	
CLIMATIC VARIATION INDICATOR	NC	COMMUNITY	RC
USE INDICATOR		AT COMMUNITY COMPETITION	
BT CLIMATIC VARIATION		AT PHYTOCENOSE	
		RT COMMUNITY DYNAMICS	
CLIMATOLOGY	BC	COMMUNITY COMPETITION	BC
USE 581 52:551 58 (Environment)		USE 581 524 12 (Synecology)	
BT METEOROLOGY		BT SYNECOLOGY	
NT BIOCLIMATOLOGY			
NT CLIMATE TYPE		COMMUNITY DYNAMICS	RC
NT CLIMATIC VARIATION		AT PLANT SUCCESSION	
NT ENVIRONMENTAL INFLUENCE			
NT LATITUDINAL INFLUENCE		COMPACTION	NC
NT MICROCLIMATOLOGY		USE COMPACTION	
NT REGIONAL CLIMATOLOGY		BT MECHANICAL SOIL PROPERTY	
CLIMAX	RC	COMPETITION	RC
AT CLIMAX AND SERAL COMMUNITIES		AT COMMUNITY COMPETITION	
		AT PLANT COMPETITION	
CLIMAX AND SERAL COMMUNITIES	BC	COMPONENT	RC
USE 581 524 3:581 555 (Synecology)		AT INORGANIC SOIL COMPONENT	
BT PLANT SUCCESSION		AT ORGANIC SOIL COMPONENT	
NT CLIMAX COMMUNITY			
NT SERAL COMMUNITY		COMPUTER	NC
		USE COMPUTER	
CLIMAX COMMUNITY	BC	BT COMPUTER. PROGRAMME. DATA	
USE 581 524 3:581 555 2 (Synecology)		PROCESSING	
BT CLIMAX AND SERAL COMMUNITIES			
NT EDAPHIC CLIMAX		COMPUTER. PROGRAMME. DATA	
		PROCESSING	BC
CLIMBER	NC	USE 574:51:681 3 (Synecology)	
USE CLIMBER			

BT BIOMATHEMATICS		BT SYSTEMATIC BOTANY	
NT COMPUTER		CYCLE	NC
NT PROGRAMME		USE CYCLE	
NT DATA PROCESSING		AT NUTRIENT CYCLING	
CONDENSATION	BC	BT PHENOLOGY	
USE 581 52:551 574 (Environment)		NT DAILY CYCLE	
BT AQUEOUS VAPOUR		CYSTINE	BC
NT DEW		USE CYSTINE	
CONSERVATION	RC	BT ECOPHYSIOLOGY	
AT ECOLOGICAL CONSERVATION			
AT SOIL CONSERVATION			
CONTENT	RC	DAILY	RC
AT SALT CONTENT		AT DAILY CYCLE	
CONTINENTAL PHYTOSOCIOLOGY	RC	RT CIRCADIAN	
AT QUALITATIVE OBSERVATION		DAILY CYCLE	NC
CONTINUUM	RC	USE DAILY	
AT CONTINUUM THEORY		BT CYCLE	
CONTINUUM THEORY	NC	DATA	RC
USE CONTINUUM		AT DATA PROCESSING	
BT SYNECOLOGICAL THEORY		DATA PROCESSING	NC
CONTROL	RC	USE DATA PROCESSING	
AT SCRUB CONTROL		BT COMPUTER PROGRAMME DATA	
AT BIOLOGICAL CONTROL		PROCESSING	
CONVERGENCE	NC	DECIDUOUS	NC
USE CONVERGENCE		USE DECIDUOUS	
BT PHYLOGENY		BT PLANT FORM	
COPPER	NC	DECOMPOSITION	RC
USE COPPER		AT DECOMPOSITION MODEL	
BT PLANT/VEGETATION INDICATOR		DECOMPOSITION MODEL	NC
BT NUTRIENT CYCLING		USE DECOMPOSITION	
BT INORGANIC SOIL COMPONENT		BT MODEL	
CORRELATION	RC	DEFINITION	NC
AT HABITAT CORRELATION		USE DEFINITION	
AT SPECIES-CORRELATION		BT A-C HORIZON	
COVER	NC	DEFOLIATION	NC
USE COVER		USE DEFOLIATION	
BT STATISTICAL PARAMETER		BT FORAGE GRASS	
NT CANOPY		DEFORESTATION	NC
NT BASAL COVER		USE DEFORESTATION	
CREEPER	RC	BT FORESTRY	
AT CLIMBER		RT CLEAR FELLING	
CROP	NC	RT CLEAR CUTTING	
USE CROP		DELTA	NC
BT AGRICULTURE		USE DELTA	
NT CROP RESIDUE		BT RIVER	
CROP RESIDUE	NC	DENSITY	NC
USE CROP RESIDUE		USE DENSITY	
BT CROP		BT MECHANICAL SOIL PROPERTY	
CYANOPHYTA	BC	BT STATISTICAL PARAMETER	
USE 582 232 (Autecology)		BT STATISTICAL PARAMETER	
		AT BULK-DENSITY DETERMINATION	

DESERT	NC	DIVERSITY	NC
USE DESERT		USE DIVERSITY	
BT LAND FORM		BT STATISTICAL PARAMETER	
BT FORMATION CLASS		RT SPECIES DIVERSITY	
AT DESERT BIOME			
DESICCATION TOLERANT PLANT	RC	DOLERITE	NC
AT XEROPHYTE		USE DOLERITE	
		BT IGNEOUS ROCK	
DETERMINATION	RC	DOLOMITE	NC
AT ROCK DETERMINATION		USE DOLOMITE	
AT BULK-DENSITY DETERMINATION		BT MINERALOGY	
		BT SEDIMENTARY ROCK	
DEW	NC	DONGA	NC
USE 581 52:551 574 41 (Environment)		USE DONGA	
BT CONDENSATION		BT LAND FORM	
DIATOM	NC	DORMANCY	NC
USE DIATOM		USE DORMANCY	
BT ALGA		BT PHENOLOGY	
RT BACILLARIOPHYTA			
DICTIONARY	NC	DRAINAGE	BC
USE DICTIONARY		USE 6:577 4:631 62 (Applied ecology)	
BT DICTIONARY. GLOSSARY		BT AGRICULTURE	
		NT DYNAMICS	
DICTIONARY. GLOSSARY	BC	DRIZZLE	NC
USE ((038 (Reference works and maps)		USE DRIZZLE	
BT ALPHABETIC REFERENCE WORK		BT RAIN. DRIZZLE	
NT DICTIONARY			
NT GLOSSARY			
DICOTYLEDONAE	RC	DROUGHT	BC
USE 1st GENUS NO. IN DYER		USE 581 52:551 577 38 (Environment)	
& 88888 PUT IN TAXON FIELD		BT PRECIPITATION VARIATION	
		RT DRY SPELL	
DISPERSAL	RC	DRY SPELL	RC
AT SEED DISPERSAL		AT DROUGHT	
DISPERSION	RC	DUNE	NC
AT DISPERSION INDEX		USE DUNE	
		BT LAND FORM	
DISPERSION INDEX	NC	BT DUNE FOREST	
USE DISPERSION INDEX			
BT QUALITATIVE OBSERVATION		DWARF SHRUBLAND	NC
		USE DWARF SHRUBLAND	
DISPOSAL	RC	BT FORMATION CLASS	
AT SLUDGE DISPOSAL			
DISTRIBUTION	NC	DYNAMICS	NC
USE DISTRIBUTION		USE DYNAMICS	
AT SPECIES DISTRIBUTION MAPPING		BT DRAINAGE	
BT PLANT MIGRATION		RT COMMUNITY DYNAMICS	
BT STATISTICAL PARAMETER		RT VEGETATION DYNAMICS	
DISTURBANCE	NC	EARTH	RC
USE DISTURBANCE		AT EARTH STRUCTURE	
BT LAND CLASSIFICATION AND USE		AT EARTH FLOW	
AT SOIL DISTURBANCE		AT WORLD	
DIURNAL	NT	EARTH FLOW	NC
USE DIURNAL		USE EARTH FLOW	
BT EVAPORATION		BT EXTERNAL GEODYNAMICS	

EARTH STRUCTURE	BC	NT PRODUCTIVITY	
USE 581 52:551 1 (Environment)		NT FOREST	
BT GEOLOGY		NT MULTIDISCIPLINE	
		RT BIOGEOCOENOLOGY	
EARTHWORM	NC	ECOTYPE	NC
USE EARTHWORM		USE ECOTYPE	
BT ANIMAL		BT ECOLOGICAL FORMATION	
ECOLOGICAL ANATOMY	BC	EDAPHIC	RC
USE 581 522 5 (Autecology)		AT EDAPHIC CLIMAX	
BT AUTECOLOGY		AT SOIL	
ECOLOGICAL CONSERVATION	BC	EDAPHIC CLIMAX	BC
USE 6:577 4.004 4 (Applied ecology)		USE 581 524 3:581 555 22 (Environment)	
BT APPLIED ECOLOGY		BT CLIMAX COMMUNITY	
NT BIOLOGICAL CONTROL		EFFECT	RC
NT SCRUB CONTROL		AT EFFECT ON STOCK	
NT VEGETATION		EFFECT ON STOCK	NC
NT WASTE		USE EFFECT ON STOCK	
NT NATURE CONSERVATION		BT POISON	
NT POLLUTION			
NT CHEMICAL CONTROL			
NT HERBICIDE			
ECOLOGICAL FORMATION	BC	ELECTRIC	RC
USE 581 526 (Physiognomy)		AT ELECTRICAL SOIL PROPERTY	
BT PLANT ECOLOGY		ELECTRICAL SOIL PROPERTY	BC
NT ECOTYPE		USE 581 52:631 437 (Environment)	
NT PHYSIOGNOMY		BT PHYSICAL SOIL PROPERTY	
ECOLOGICAL PROFILES	NC	ELEPHANT	NC
USE ECOLOGICAL PROFILES		USE ELEPHANT	
BT GRAPHIC REPRESENTATION		BT MAMMAL	
ECOLOGY	RC	ELM MODEL	NC
AT AQUATIC ECOLOGY		USE ELM	
AT PLANT ECOLOGY		BT MODEL	
AT APPLIED ECOLOGY			
ECOPHYSIOLOGY	BC	ENCHROACHMENT	BC
USE 581 522:581 1 (Autecology)		USE ENCHROACHMENT	
BT AUTECOLOGY		BT PLANT INVASION AND ENCHROACHMENT	
NT CALCIUM		ENCYCLOPAEDIA	NC
NT CARBOHYDRATE		USE ENCYCLOPAEDIA	
NT CHLOROPHYLL		BT ALPHABETIC REFERENCE WORK	
NT CYSTINE		ENDANGERED	RC
NT GLUCOSIDE		AT ENDANGERED VEGETATION	
NT MICRO-ELEMENT		ENDANGERED SPECIES	RC
NT NITRATE		AT ENDANGERED VEGETATION	
NT NITROGEN		ENDANGERED VEGETATION	NC
NT PHOSPHORUS		USE ENDANGERED VEGETATION	
NT PROTEIN		BT VEGETATION	
NT SULPHUR		RT ENDANGERED SPECIES	
NT LEAF FALL			
NT FIRE RESISTANCE			
NT CARBON DIOXIDE			
NT MACRO-ELEMENT			
NT LIGNIN			
ECOSYSTEM	BC	ENERGY	RC
USE 577 4: (Autecology)		AT BIOENERGETICS	
NT BIOENERGETICS		ENTROPY	NC
NT BIOMASS		USE ENTROPY	
NT BIOME		BT BIOENERGETICS	
NT NUTRIENT CYCLING			

ENVIRONMENT	BC	EVAPORATION	BC
USE 581 52:(Environment)		USE 581 52:551 573 (Environment)	
AT ENVIRONMENTAL GRADIENT		BT AQUEOUS VAPOUR	
AT ENVIRONMENTAL INFLUENCE		NT EVAPOTRANSPIRATION	
BT PLANT ECOLOGY		NT DIURNAL	
NT BIOTIC FACTOR		NT NOCTURNAL	
NT GEOLOGY			
NT GEOMORPHOLOGY		EVAPOTRANSPIRATION	NC
NT METEOROLOGY		USE EVAPOTRANSPIRATION	
NT MICRO-ENVIRONMENT		BT EVAPORATION	
NT MINERALOGY		BT TRANSPIRATION	
NT PETROLOGY			
NT STRATIGRAPHY		EVERGREEN	NC
NT SOIL		USE EVERGREEN	
RT HABITAT		BT PLANT FORM	
ENVIRONMENTAL INFLUENCE	BC	EVOLUTION	RC
USE 581 52:551 588 (Environment)		AT EVOLUTIONARY ECOLOGY	
BT CLIMATOLOGY			
ENVIRONMENTAL GRADIENT	NC	EVOLUTIONARY ECOLOGY	BC
USE ENVIRONMENTAL GRADIENT		USE 581 5: (Palaeoecology)	
BT HORIZONTAL ZONATION		BT PLANT ECOLOGY	
		NT HEREDITY	
ENVIRONMENTAL MANAGEMENT	BC	NT PHYLOGENY	
USE 6:577 4:712 (Applied ecology)		NT POPULATION ECOLOGY	
BT APPLIED ECOLOGY		NT SPECIATION	
NT LANDSCAPE PATTERN		NT VARIATION	
NT LANDSCAPE PLANNING			
NT VERGE		EXCHANGE	RC
		AT ION EXCHANGE	
EPIPHYTE	NC	EXHAUSTION	RC
USE EPIPHYTE		AT SOIL EXHAUSTION	
BT PLANT FORM			
ERADICATION	NT	EXPOSURE	RC
USE ERADICATION		AT EXPOSURE SCALE	
BT PLANT INVASION AND			
ENCHROACHMENT		EXPOSURE SCALE	NC
		USE EXPOSURE SCALE	
EROSION	RC	BT STATISTICAL PARAMETER	
AT SOIL EROSION			
ESTIMATION	RC	EXTERNAL	RC
AT WATER BALANCE ESTIMATION		AT EXTERNAL GEODYNAMICS	
AT SPECIES-AREA ESTIMATION			
ESTUARY	BC	EXTERNAL GEODYNAMICS	BC
USE 577 472:551 482 6 (Vegetation descr.)		USE 581 52:551 3 (Environment)	
BT AQUATIC VEGETATION		BT GEOLOGY	
NT EUTROPHICATION		NT EARTH FLOW	
NT POLLUTION			
EUTROPHICATION	NC	EXUDATE	RC
USE EUTROPHICATION		AT PLANT EXUDATE	
BT ESTUARY			
BT LAKE		FABRIC	RC
BT RIVER		AT TEXTURE	
BT WETLAND			
EVAPORIMETER	NC	FACTOR	RC
USE EVAPORIMETER		AT PHYSICAL FACTOR	
BT PRACTICAL METEOROLOGY		AT CHEMICAL FACTOR	
		AT BIOLOGICAL FACTOR	
		AT BIOTIC FACTOR	
		AT FACTOR ANALYSIS	

FACTOR ANALYSIS USE FACTOR BT MULTIVARIATE ANALYSIS	NC	FLOWER USE 581 522:581 46 (Autecology) BT PLANT ORGAN	BC
FALLOW USE FALLOW BT LAND RECLAMATION	NC	FOG USE FOG BT FOG MIST	NC
FERN USE FERN BT PLANT FORM	NC	FOG MIST USE 581 52:551 575 (Environment) BT AQUEOUS VAPOUR NT FOG NT MIST	BC
FERTILITY AT SOIL FERTILITY	RC		
FERTILIZER USE FERTILIZER BT PASTURE MANAGEMENT BT FORESTRY	NT	FOLIAGE AT LEAF	RC
		FORAGE AT FORAGE GRASS AT FORAGE PLANT	RC
FIRE USE 581 524 342 (Synecology) BT PLANT SUCCESSION NT BURN NT LIGHTNING	BC	FORAGE GRASS USE 6:577 4:633 2 (Applied ecology) BT AGRICULTURE NT PASTURE MANAGEMENT NT SWARD NT PASTURE YIELD NT DEFOLIATION RT PASTURE	BC
FIRE RESISTANCE USE FIRE RESISTANCE BT ECOPHYSIOLOGY	NC		
FISH USE FISH BT ANIMAL	NC	FORAGE PLANT USE 6:577 4:633 3 (Applied ecology) BT AGRICULTURE NT CACTUS RT PASTURE SCIENCE	BC
FIXATION AT NITROGEN FIXATION	RC		
FLAG AT FLAG TATTERING	RC	FOREST USE FOREST AT FORESTRY BT ECOSYSTEM BT FORMATION CLASS NT TROPICAL FOREST AT FOREST BIOME	NC
FLAG TATTERING USE FLAG TATTERING BT PRACTICAL METEOROLOGY	NC		
FLAT AT COASTAL FLAT	RC	FOREST PRODUCTION USE PRODUCTION BT FORESTRY	NC
FLOOD USE 581 52:551 577 37 (Environment) BT PRECIPITATION VARIATION	BC	FOREST RESOURCE USE RESOURCE BT FORESTRY	NC
FLOODPLAIN USE FLOODPLAIN BT HYDROGRAPHY	NC	FORESTRY USE 6:577 4:634 (Applied ecology) BT AGRICULTURE NT SILVICULTURE AT FOREST NT FOREST RESOURCE NT FOREST PRODUCTION NT AFFORESTATION NT DEFORESTATION NT TIMBER NT FERTILIZER	BC
FLORA USE FLORA NT PHYTOGEOGRAPHY	NC		
FLOW USE FLOW AT EARTH FLOW BT HYDROGRAPHY	NC		

FORM	RC	BT LANDSCAPE PATTERN	
AT PRECIPITATION FORM			
AT PLANT FORM		GENESIS	RC
RT STRUCTURE		AT PEDOGENESIS	
RT ARCHITECTURE			
RT TOPOGRAPHY		GENETIC	NC
		USE GENETIC	
FORMATION	RC	BT HEREDITY	
AT FORMATION CLASS			
AT PEDOGENESIS		GEOBOTANY	RC
		AT PHYTOGEOGRAPHY	
FORMATION CLASS	NC		
USE FORMATION CLASS		GEODYNAMIC	RC
BT PHYSIOGNOMY		AT EXTERNAL GEODYNAMICS	
NT DESERT		AT INTERNAL GEODYNAMICS	
NT DWARF SHRUBLAND			
NT FOREST		GEOLOGICAL MAPPING	RC
NT GRASSLAND		AT STRATIGRAPHIC MAPPING	
NT SAVANNA			
NT WOODLAND		GEOLOGICAL TIMESCALE	RC
NT HERBLAND		AT STRATIGRAPHY	
FORMULA	BC	GEOLOGY	BC
USE 574:51(083 (Synecology)		USE 581 52:551 1	
BT BIOMATHEMATICS		USE 581 52:551 2 (Environment)	
		USE 581 52:551 3	
FREQUENCY	NC	BT ENVIRONMENT	
USE FREQUENCY		NT EARTH STRUCTURE	
BT STATISTICAL PARAMETER		NT EXTERNAL GEODYNAMICS	
		NT INTERNAL GEODYNAMICS	
FROST	BC		
USE 581 52:551 574 42 (Environment)		GEOMORPHOLOGY	BC
BT CONDENSATION		USE 581 52:551 4 (Environment)	
		BT ENVIRONMENT	
FRUIT	BC	NT HYDROGRAPHY	
USE 581 522:581 47 (Autecology)		NT HYDROLOGY	
BT PLANT ORGAN		NT OCEANOGRAPHY	
		NT LAND FORM	
FUNGUS	RC	RT PHYSIOGRAPHY	
AT MYCOPHTA			
		GEOPHYTE	
FYNBOS	RC	USE GEOPHYTE	
AT FYNBOS BIOME		BT PLANT FORM	
		GEOXYLIC SUFFRUTEX	NT
		USE GEOXYLIC SUFFRUTEX	
GALL	NC	BT PLANT FORM	
USE GALL			
BT OTHER ORGAN		GERMINATION	NC
		USE GERMINATION	
GAME	NC	BT PHENOLOGY	
USE GAME			
BT MAMMAL		GILGAI	NC
AT GAME MANAGEMENT		USE GILGAI	
		BT SOIL STRUCTURE	
GAME MANAGEMENT	BC		
USE 6:577 4:639 1 (Applied ecology)		GIRDLING	NC
BT AGRICULTURE		USE GIRDLING	
		BT SAMPLING	
GAME RESERVE	NC		
USE GAME RESERVE		GLOBE	RC
BT NATURE RESERVE		AT EARTH	
		AT WORLD	
GARDEN	NC		
USE GARDEN			

GLOSSARY	NC	GRASSVELD	RC
USE GLOSSARY		AT GRASS	
NT DICTIONARY GLOSSARY			
GLUCOSIDE	NC	GRAZE	NC
USE GLUCOSIDE		USE GRAZE	
BT ECOPHYSIOLOGY		BT ANIMAL	
		NT NON-SELECTIVE GRAZING	
GRADIENT	RC	GROWTH	
AT GRADIENT ANALYSIS		AT ROOT GROWTH	
AT SLOPE		AT GROWTH FORM	
AT ENVIRONMENTAL GRADIENT			
AT VEGETATION GRADIENT		GROWTH FORM	NC
		USE GROWTH FORM	
GRADIENT ANALYSIS	NC	BT PLANT FORM	
USE GRADIENT ANALYSIS		NT HERB	
BT MULTIVARIATE ANALYSIS		NT SHRUB	
		NT TREE	
GRANITE	NC	NT GRASS	
USE GRANITE		NT CLIMBER	
BT IGNEOUS ROCK			
GRAPHIC	RC	GROWTH RING	NC
AT GRAPHIC REPRESENTATION THEORY		USE GROWTH RING	
		BT TREE GROWTH	
GRAPHIC AND CARTOGRAPHIC REPRESENTATION	BC	GUTTATION	NC
USE 912 4(Reference works and maps)		USE GUTTATION	
BT NON-LITERARY REPRESENTATION		BT PLANT-WATER RELATION	
NT MAP. PLAN. CHART			
GRAPHIC REPRESENTATION THEORY	BC	GYMNOSPERMAE	RC
USE 581 524:167 3(084 (Synecology)		USE 1st GENUS NO. IN DYER	
BT SYNTHESIS		& 88888 PUT IN TAXON FIELD	
NT ECOLOGICAL PROFILES			
NT PROFILE DIAGRAM		GYPSUM	NC
		USE GYPSUM	
		BT INORGANIC SOIL COMPONENT	
GRAPHITE	NC	HABITAT	RC
USE GRAPHITE		AT HABITAT CORRELATION	
BT MINERALOGY		AT ENVIRONMENT	
GRASS	NC	HABITAT CORRELATION	BC
USE GRASS		USE 581 524:167 3:577 4(Synecology)	
BT HERB		BT SYNTHESIS	
AT FORAGE GRASS			
NT SOUR GRASS		HALOPHYTE	NC
NT SWEET GRASS		USE HALOPHYTE	
AT GRASSLAND		BT PLANT FORM	
BT GROWTH FORM			
RT GRASSVELD			
GRASSLAND	NC	HARDPAN	NC
USE GRASSLAND		USE HARDPAN	
AT GRASSLAND BIOME		BT SOIL TYPE	
BT FORMATION CLASS		NT LATERITE	
NT GRASSLAND MODEL			
RT HERBLAND		HEAVY METAL	NC
RT PRAIRIE		USE HEAVY METAL	
		BT INORGANIC SOIL COMPONENT	
GRASSLAND MODEL	NC	HELOPHYTE	NC
USE 574:51:167 7(Synecology)		USE HELOPHYTE	
USE GRASSLAND		BT RAUNKIAER FORM	
BT GRASSLAND			
BT MODEL			

HERB	NC	BT GEOMORPHOLOGY	
USE HERB		AT SOIL MOISTURE	
BT GROWTH FORM		AT SOIL WATER	
NT GRASS		NT PRESSURE WATER	
NT FORB		NT WATER SUPPLY	
AT HERBLAND		RT WATER	
HERBICIDE	NC	HYDRONIUM	NC
USE HERBICIDE		USE HYDRONIUM	
BT ECOLOGICAL CONSERVATION		BT REACTION	
RT WEEDKILLER			
HERBLAND	NC	HYDROMETER	NC
USE HERBLAND		USE HYDROMETER	
AT GRASSLAND		BT SOIL ANALYSIS	
BT FORMATION CLASS			
HEREDITY	BC	HYGROMETER	NC
USE 581 5:575 1 (Palaeoecology)		USE HYGROMETER	
BT EVOLUTIONARY ECOLOGY		BT PRACTICAL METEOROLOGY	
NT GENETIC			
HILLSLOPE	NT	HYPSONETER	NC
USE HILLSLOPE		USE HYPSONETER	
BT LAND FORM		BT APPARATUS	
HORIZON	RC	IGNEOUS	RC
AT HORIZONTAL ZONATION		AT IGNEOUS ROCK	
AT LITTER. ORGANIC HORIZON			
AT A-C HORIZON		IGNEOUS ROCK	BC
HORIZONTAL ZONATION	BC	USE 581 52:552 3 (Environment)	
USE 581 524 42 (Synecology)		BT PETROLOGY	
BT ZONATION		NT BASALT	
NT ENVIRONMENTAL GRADIENT		NT DOLERITE	
		NT GRANITE	
HORTICULTURE	BC	IMAGERY	RC
USE 6:577 4:635(Applied ecology)		AT SATELLITE IMAGERY	
BT AGRICULTURE			
NT WEED		IMPACT ASSESSMENT	NC
		USE IMPACT ASSESSMENT	
		BT LANDSCAPE PLANNING	
HUMAN	NC	INDEX	RC
USE HUMAN		AT CANOPY INDEX	
BT MAMMAL		AT AIR POLLUTION INDEX	
RT MAN		AT DISPERSION INDEX	
HUMIDITY	BC	INDICATOR	RC
USE 581 52:551 571 (Environment)		AT PLANT/VEGETATION INDICATOR	
BT AQUEOUS VAPOUR		AT CLIMATIC VARIATION INDICATOR	
HUMUS	RC	INFLUENCE	RC
AT MOR		AT ENVIRONMENTAL INFLUENCE	
AT MULL		AT LATITUDINAL INFLUENCE	
HYDROGRAPHY	BC	INORGANIC	RC
USE 581 52:551 48 (Environment)		AT INORGANIC SOIL COMPONENT	
BT GEOMORPHOLOGY			
NT RUNOFF		INORGANIC SOIL COMPONENT	BC
NT FLOW		USE 581 52:631 416 (Environment)	
NT CATCHMENT		BT CHEMICAL SOIL PROPERTY	
NT FLOODPLAIN		NT GYPSUM	
RT SURFACE WATER		NT HEAVY METAL	
HYDROLOGY	BC	NT PHOSPHATE	
USE 581 52:551 49 (Environment)		NT PHOSPHORUS	

NT ZINC		KAROO	RC
NT ARSENIC		AT KAROO BIOME	
NT CHLORIDE			
NT NITRATE			
NT COPPER			
NT NICKEL		LAGOON	NC
NT POTASSIUM		USE LAGOON	
NT CHROMIUM		BT MARINE	
NT ALUMINIUM			
NT AMMONIA		LAKE	BC
NT NITROGEN		USE 577 472:551 481 1 (Veg. descr.)	
		BT AQUATIC VEGETATION	
INSECT	NC	NT EUTROPHICATION	
USE INSECT		NT POLLUTION	
BT ANIMAL			
NT ANT		LAND	RC
NT LOCUST		AT LAND RECLAMATION	
NT TERMITE		AT LAND CLASSIFICATION AND USE	
NT WASP			
INTERCEPTION	NC	LAND BRIDGE THEORY	NC
USE INTERCEPTION		USE LAND BRIDGE THEORY	
AT LINE-INTERCEPT		BT PHYLOGENY	
BT RAIN. DRIZZLE			
INTERNAL	RC	LAND CLASSIFICATION	NC
AT INTERNAL GEODYNAMICS		USE LAND CLASSIFICATION	
		BT LAND CLASSIFICATION AND USE	
		NT LAND TYPE	
INTERNAL GEODYNAMICS	BC	LAND CLASSIFICATION AND USE	BC
USE 581 52:551 2 (Environment)		USE 581 52:631 474 (Environment)	
BT GEOLOGY		BT SOIL SURVEY. LAND CLASSIFICATION	
		AND USE	
INTERTIDAL	NC	NT LAND CLASSIFICATION	
USE INTERTIDAL		NT DISTURBANCE	
BT OCEANOGRAPHY		NT LAND USE	
INVASION	NC	LAND FORM	BC
USE INVASION		USE 581 52:551 41 (Environment)	
BT PLANT INVASION AND		BT GEOMORPHOLOGY	
ENCHROACHMENT		NT COASTAL FLAT	
		NT DESERT	
INVERTEBRATA	RC	NT DUNE	
AT ANIMAL		NT ISLAND	
		NT MOUNTAIN	
ION	RC	NT RELIEF	
AT ION EXCHANGE		NT SHORE	
		NT SPELEOLOGY	
ION EXCHANGE	BC	NT PLAIN	
USE 581 52:631 413 (Environment)		NT VALLEY	
BT CHEMICAL SOIL PROPERTY		NT CAVE	
NT CATION EXCHANGE		NT HILLSLOPE	
NT RH		NT DONGA	
NT SALT CONTENT		NT SEMI-DESERT	
		NT PLATEAU	
IRRIGATION	BC	LAND RECLAMATION	BC
USE 6:577 4:631 67 (Applied ecology)		USE 6:577 4:631 61 (Applied ecology)	
BT AGRICULTURE		BT AGRICULTURE	
ISLAND	NC	NT STRIP MINE	
USE ISLAND		NT SPOIL	
BT LAND FORM		NT FALLOW	
		NT RE-VEGETATION	

LANDSAT	NC	LICHEN	BC
USE LANDSAT		USE 582 29 (Autecology)	
BT SATELLITE IMAGERY		BT PLANT/VEGETATION INDICATOR	
		BT SYSTEMATIC BOTANY	
LANDSCAPE PATTERN	BC	LIGHT	NC
USE 6:577 4:712 2 (Applied ecology)		USE LIGHT	
BT ENVIRONMENTAL MANAGEMENT		BT RADIATION	
NT GARDEN			
NT PARK		LIGHTNING	NC
NT NATURE RESERVE		USE LIGHTNING	
		BT FIRE	
LANDSCAPE PLANNING	BC	LIGNIN	NC
USE 6:577 4:712 3 (Applied ecology)		USE LIGNIN	
BT ENVIRONMENTAL MANAGEMENT		BT ECOPHYSIOLOGY	
NT SOUND ABSORPTION			
NT IMPACT ASSESSMENT			
LAND TYPE	NC	LIMESTONE	NC
USE LAND TYPE		USE LIMESTONE	
BT LAND CLASSIFICATION		BT SEDIMENTARY ROCK	
LAND USE	NC	LIMNOPHYTE	NC
USE LAND USE		USE LIMNOPHYTE	
BT LAND CLASSIFICATION AND USE		BT PLANT FORM	
LATERITE	NC	LINE	RC
USE LATERITE		AT LINE-INTERCEPT	
BT HARDPAN		AT LINE TRANSECT	
LATITUDE	RC	LINE-INTERCEPT	NC
AT LATITUDINAL INFLUENCE		USE LINE-INTERCEPT	
		BT PLOTLESS	
LATITUDINAL INFLUENCE	BC	LINE TRANSECT	NC
USE 581 52:551 581 (Environment)		USE LINE TRANSECT	
BT CLIMATOLOGY		BT PLOTLESS	
LAYER	RC	LIQUID	NC
AT SOIL LAYER		USE LIQUID	
AT AIR LAYER		BT SOIL MOISTURE	
LEACH	NC	LITTER	RC
USE LEACH		AT LITTER. ORGANIC HORIZON	
BT CHEMICAL FACTOR			
LEAF	BC	LITTER. ORGANIC HORIZON	BC
USE 581 522:581 45 (Autecology)		USE 581 52:631 472 5 (Environment)	
BT PLANT ORGAN		BT SOIL PROFILE	
NT STOMATA		NT MOR	
NT VENATION		NT MULL	
RT FOLIAGE			
LEAF AREA DETERMINATION	NC	LOCUST	NC
USE LEAF AREA DETERMINATION		USE LOCUST	
BT SAMPLING		BT INSECT	
LEAF FALL	NC	LOWER ORGANISM	BC
USE LEAF FALL		USE 581 52:581 071 (Environment)	
BT ECOPHYSIOLOGY		BT BIOTIC FACTOR	
		NT BACTERIUM	
LEMNETUM	NC	NT MYCOPHYTA	
USE LEMNETUM		RT MICRO-ORGANISM	
BT SYNTAXONOMIC ASSOCIATION			

MACRO-ELEMENT	NC	MATRIX	NC
USE MACRO-ELEMENT		USE MATRIX	
BT ECOPHYSIOLOGY		BT MULTIVARIATE ANALYSIS	
MACROPHYTE	NC	MECHANICS	NC
USE MACROPHYTE		USE MECHANICS	
BT PLANT FORM		AT MECHANICAL SOIL PROPERTY	
		BT ATMOSPHERIC STRUCTURE	
MAMMAL	NC	MECHANICS THERMODYNAMICS	
USE MAMMAL			
BT ANIMAL		MECHANICAL SOIL PROPERTY	BC
NT ANTELOPE		USE 581 52:631 431 (Environment)	
NT GAME		BT PHYSICAL SOIL PROPERTY	
NT AARDVARK		NT DENSITY	
NT HUMAN		NT COMPACTION	
NT ELEPHANT			
NT RODENT			
MAN	RC	MEDICINAL	NC
AT HUMAN		USE MEDICINAL	
		BT PLANT FORM	
MANAGEMENT	RC	MESOZOIC	NC
AT GAME MANAGEMENT		USE 581 52:551 76 (Palaeoecology)	
AT SHORE MANAGEMENT		BT STRATIGRAPHY	
AT PASTURE MANAGEMENT		NT TRIASSIC	
		NT JURASSIC	
MANGANESE	NC	NT CRETACEOUS	
USE MANGANESE			
BT NUTRIENT CYCLING		METAMORPHIC ROCK	BC
		USE 581 52:552 4 (Environment)	
MANGROVE	NT	BT PETROLOGY	
USE MANGROVE		METEOROLOGY	BC
BT PLANT FORM		USE 581 52:551 5 (Environment)	
MAP	NC	BT ENVIRONMENT	
USE MAP		NT AQUEOUS VAPOUR	
AT SOIL MAPPING		NT ATMOSPHERIC PRESSURE	
AT SPECIES DISTRIBUTION MAPPING		NT CLIMATOLOGY	
AT STRATIGRAPHIC MAPPING		NT PRACTICAL METEOROLOGY	
AT VEGETATION MAPPING		NT RADIATION TEMPERATURE	
BT CHART. MAP. PLAN		NT STRUCTURE MECHANICS THERMO-DYNAMICS	
MARINE	BC	NT WIND	
USE 577 472:551 46 (Vegetation descr.)		RT WEATHER	
AT OCEANOGRAPHY			
BT AQUATIC VEGETATION		METHOD	RC
NT POLLUTION		AT PLANT ECOLOGICAL THEORY AND METHODS	
NT LAGOON			
RT SEA			
MARINE SHORE	NC	MICROCLIMATOLOGY	BC
USE MARINE		USE 581 52:551 584 (Environment)	
BT SHORE		BT CLIMATOLOGY	
MARSH	RC	MICRO-ELEMENT	NC
AT WETLAND		USE MICRO-ELEMENT	
		BT ECOPHYSIOLOGY	
MASS	RC	MICRO-ENVIRONMENT	NC
AT BIOMASS		USE MICRO	
		BT ENVIRONMENT	
MATHEMATICS	RC	RT SOIL MICRO-ENVIRONMENT	
AT BIOMATHEMATICS			

MICROFLORA USE MICROFLORA BT ORGANIC SOIL COMPONENT	NC	MOR USE 581 52:631 472 55 (Environment) BT LITTER. ORGANIC HORIZON RT RAW HUMUS	BC
MICRO-ORGANISM AT LOWER ORGANISM	RC	MORPHOLOGY AT PLANT MORPHOLOGY	RC
MICROWAVE USE MICROWAVE BT RADIATION	NC	MORTALITY AT PLANT MORTALITY	RC
MILD HUMUS AT MULL	RC	MOSS USE MOSS BT PLANT/VEGETATION INDICATOR	NC
MINE AT STRIPMINE	RC	MOUNTAIN USE MOUNTAIN AT MOUNTAIN WIND BT LAND FORM RT MONTANE RT OROLOGY	NC
MINE DUMP AT SPOIL	RC		
MINERAL AT CLAY MINERAL AT MINERALOGY	RC	MOUNTAIN WIND USE MOUNTAIN BT WIND	NC
MINERALOGY USE 581 52:553 BT ENVIRONMENT NT ALUMINIUM NT DOLOMITE NT GRAPHITE NT NICKEL	BC	MOVEMENT AT SLEEP MOVEMENT	RC
MINIMUM AREA USE MINIMUM AREA BT AIR PHOTO	NC	MOWING USE MOWING BT PASTURE MANAGEMENT	NC
MIST USE MIST BT FOG MIST	NC	MULL USE 581 52:631 472 56 (Environment) BT LITTER. ORGANIC HORIZON RT MILD HUMUS	BC
MODEL USE 574:51:167 7 (Synecology) BT BIOMATHEMATICS NT SIMULATION NT DECOMPOSITION MODEL NT GRASSLAND MODEL NT ELM MODEL NT POPULATION MODEL NT ASSOCIATION MODEL NT PRECIPITATION MODEL	BC	MULTIDISCIPLINE USE MULTIDISCIPLINE BT ECOSYSTEM	NC
MOISTURE AT SOIL MOISTURE	RC	MULTIVARIATE ANALYSIS USE MULTIVARIATE ANALYSIS BT QUANTITATIVE OBSERVATION NT ASSOCIATION ANALYSIS NT FACTOR ANALYSIS NT GRADIENT ANALYSIS NT MATRIX NT PLEXUS NT RECIPROCAL AVERAGING NT PATTERN ANALYSIS	NC
MOLYBDENUM USE MOLYBDENUM BT NUTRIENT CYCLING	NC	MUSHROOM USE MUSHROOM BT MYCOPHYTA	NC
MONOCOTYLEDONAE USE 1st GENUS NO. IN DYER & 88888 PUT IN TAXON FIELD	RC	MUTATION USE MUTATION BT VARIATION	NC
MONTANE AT MOUNTAIN	RC	MUTUALISM USE MUTUALISM BT SYMBIOSIS	

MYCOFLORA USE MYCOFLORA BT ORGANIC SOIL COMPONENT	NC	NON-CLUSTERING USE NON-CLUSTERING BT PROGRAM	NC
MYCOPHYTA USE 582 28 (Autecology) BT SYSTEMATIC BOTANY RT FUNGUS NT MYCORRHIZA NT LOWER ORGANISM NT MUSHROOM	BC	NON-LITERARY REPRESENTATION USE 912 (Reference works and maps) NT GRAPHIC AND CARTOGRAPHIC REPRESENTATION  NON-SELECTIVE GRAZING USE NON-SELECTIVE BT GRAZE	BC   NC
MYCORRHIZA USE MYCORRHIZA BT MYCOPHYTA	NC	NUTRIENT AT NUTRIENT CYCLING	RC
		NUTRIENT CYCLING USE 577 4:577 12 (Autecology) BT ECOSYSTEM NT NITRATE NT NITROGEN NT BORON NT MANGANESE NT COPPER NT ZINC NT MOLYBDENUM NT PHOSPHORUS NT NICKEL	BC
NATURE CONSERVATION USE NATURE CONSERVATION BT ECOLOGICAL CONSERVATION	NC		
NATURE RESERVE USE NATURE RESERVE BT LANDSCAPE PATTERN NT GAME RESERVE	NC		
NEST AT NESTED QUADRAT	RC		
NESTED QUADRAT USE NESTED QUADRAT BT QUADRAT	NC	OBSERVATION AT QUALITATIVE OBSERVATION AT QUANTITATIVE OBSERVATION	RC
NEUTRON PROBE USE NEUTRON PROBE BT APPARATUS	NC	OCEANOGRAPHY USE 581 52:551 46 (Environment) BT GEOMORPHOLOGY AT MARINE NT INTERTIDAL NT REEF RT SEA	BC
NICKEL USE NICKEL BT MINERALOGY BT PLANT/VEGETATION INDICATOR BT INORGANIC SOIL COMPONENT BT NUTRIENT CYCLING	NC		
		OIL USE OIL BT PLANT EXUDATE	NC
NITRATE USE NITRATE BT NUTRIENT CYCLING BT ECOPHYSIOLOGY BT INORGANIC SOIL COMPONENT	NC	OLD LAND USE OLD LAND BT PLANT SUCCESSION	NC
NITROGEN USE NITROGEN BT NUTRIENT CYCLING BT INORGANIC SOIL COMPONENT BT ECOPHYSIOLOGY	NC	ORDINATION AT POLAR ORDINATION  ORGAN AT PLANT ORGAN	RC  RC
NITROGEN FIXATION USE NITROGEN FIXATION BT ROOT	NC	ORGANIC AT ORGANIC SOIL COMPONENT AT LITTER. ORGANIC HORIZON	RC
NOCTURNAL USE NOCTURNAL BT EVAPORATION	NT	ORGANIC SOIL COMPONENT USE 581 52:631 417 (Environment) BT CHEMICAL SOIL PROPERTY	BC

NT MYCOFLORA		NT RESEEDING	
NT MICROFLORA		NT FERTILIZER	
		NT MOWING	
ORGANISM	RC		
AT LOWER ORGANISM		PASTURE SCIENCE	RC
		AT FORAGE GRASS	
OROLOGY	RC	AT FORAGE PLANT	
AT MOUNTAIN			
		PASTURE YIELD	NC
OTHER ORGAN	BC	USE PASTURE YIELD	
USE 581 522:581 49 (Autecology)		BT FORAGE GRASS	
BT PLANT ORGAN			
NT GALL		PATTERN	NC
NT TENDRIL		USE PATTERN	
NT THORN		AT LANDSCAPE PATTERN	
		BT STATISTICAL PARAMETER	
OXIDATION REDUCTION POTENTIAL	RC	AT PATTERN ANALYSIS	
AT RH			
		PATTERN ANALYSIS	NC
		USE PATTERN ANALYSIS	
		BT MULTIVARIATE ANALYSIS	
PALAEOBOTANY	BC		
USE 581:56 (Palaeoecology)		PEDOGENESIS	BC
		USE 581 52:631 48 (Environment)	
PALAEOCLIMATOLOGY	BC	BT SOIL	
USE 581 52:551 583 7 (Environment)		NT BIOLOGICAL FACTOR	
BT CLIMATIC VARIATION		NT CHEMICAL FACTOR	
		NT PHYSICAL FACTOR	
PALAEOZOIC	NC	RT SOIL DEVELOPMENT	
USE 581 52.551 73 (Palaeoecology)		RT FORMATION	
NT CAMBRIAN		RT SOIL FORMATION	
NT SILURIAN			
NT DEVONIAN		PERIODICITY	NC
NT CARBONIFEROUS		USE PERIODICITY	
NT PERMIAN		BT PHENOLOGY	
BT STRATIGRAPHY		BT RAIN	
PARAMETER	RC	PERIPHYTON	NC
AT STATISTICAL PARAMETER		USE PERIPHYTON	
		BT PLANT FORM	
PARASITISM	NC		
USE PARASITISM		PERMANENT	RC
BT SYMBIOSIS		AT PERMANENT PLOT	
		AT PERMANENT QUADRAT	
PARK	NC		
USE PARK		PERMANENT PLOT	RC
BT LANDSCAPE PATTERN		AT TIME SAMPLING	
PARTHENOGENESIS	NC	PERMANENT QUADRAT	RC
USE PARTHENOGENESIS		AT TIME SAMPLING	
BT REPRODUCTION			
		PERMIAN	BC
PARTICLE	NC	USE 581 52:551 736 (Palaeoecology)	
USE PARTICLE		BT PALAEOZOIC	
BT SOIL TEXTURE			
AT AIRBORNE PARTICLE		PETROGENENSIS	BC
		USE 581 52.552 11 (Environment)	
PASTURE	RC	BT ROCK DETERMINATION	
AT FORAGE GRASS			
RT PASTURE SCIENCE		PETROLOGY	BC
		USE 581 52:552 (Environment)	
PASTURE MANAGEMENT	NC	BT ENVIRONMENT	
USE PASTURE MANAGEMENT		NT IGNEOUS ROCK	
BT FORAGE GRASS		NT METAMORPHIC ROCK	

NT ROCK DETERMINATION		NT THERMAL SOIL PROPERTY	
NT SEDIMENTARY ROCK			
pH	NC	PHYSIOGNOMY	BC
USE pH		USE 581 526 1 (Physiognomy)	
BT SOIL REACTION pH		BT ECOLOGICAL FORMATION	
		NT FORMATION CLASS	
PHENOLOGY	BC	PHYSIOGRAPHY	RC
USE 581 522:581 543 (Autecology)		AT GEOMORPHOLOGY	
BT AUTECOLOGY			
NT DORMANCY		PHYSIOLOGICAL ADAPTATION	RC
NT GERMINATION		AT PLANT ADJUSTMENT	
NT SLEEP MOVEMENT			
NT PERIODICITY		PHYTOCENOSE	NC
		USE PHYTOCENOSE	
PHOSPHATE	NC	BT CLASSIFICATION THEORY	
USE PHOSPHATE		BT PHYTOSOCIOLOGY	
BT INORGANIC SOIL COMPONENT		RT COMMUNITY	
PHOSPHORUS	NC	PHYTOGEOGRAPHY	NT
USE PHOSPHORUS		USE PHYTOGEOGRAPHY	
BT INORGANIC SOIL COMPONENT		BT PHYTOGRAPHY & PHYTOSOCIOLOGY	
BT ECOPHYSIOLOGY		NT CHECK-LIST	
BT NUTRIENT CYCLING		NT FLORA	
		RT GEOBOTANY	
PHOTOGRAPHY	NC	PHYTOGEOGRAPHY & PHYTOSOCIOLOGY	BC
USE PHOTOGRAPHY		USE 581 9 (Vegetation descr.)	
BT REMOTE SENSING		NT PHYTOGEOGRAPHY	
NT AIR PHOTO		NT PHYTOSOCIOLOGY	
PHOTOSYNTHESIS	NC	PHYTOSOCIOLOGY	NC
USE PHOTOSYNTHESIS		USE PHYTOSOCIOLOGY	
BT PRIMARY PRODUCTIVITY		BT PHYTOGEOGRAPHY AND	
		PHYTOSOCIOLOGY	
PHYLOGENY	BC	NT PHYTOCENOSE	
USE 581 5:576 12 (Palaeoecology)		NT REGIONAL ACCOUNT	
BT EVOLUTIONARY ECOLOGY		NT SYNTAXONOMIC ASSOCIATION	
NT CONVERGENCE		NT VEGETATION CLASSIFICATION	
NT LAND BRIDGE THEORY			
PHYSICAL	RC	PIONEER	NC
AT PHYSICAL SOIL PROPERTY		USE PIONEER	
AT PHYSICAL FACTOR		BT PLANT SUCCESSION	
PHYSICAL FACTOR (PLANT)	BC	PLACE NAME	RC
USE 581 522:577 46 (Autecology)		AT ANTARTICA = ((99	
BT AUTECOLOGY		AT AFRICA = ((6	
		AT ASIA = ((5	
PHYSICAL FACTOR (SOIL)	BC	AT AUSTRALIA = ((94	
USE 581 52:631 482 (Environment)		AT EUROPE = ((4	
BT PEDOGENESIS		AT INDONESIA = ((910	
NT SEDIMENTATION		AT NEW GUINEA = ((95	
		AT NEW ZEALAND = ((931	
PHYSICAL SOIL PROPERTY	BC	AT NORTH AMERICA = ((7	
USE 581 52:631 43 (Environment)		AT SOUTH AMERICA = ((8	
BT SOIL		AT WORLD = ((100	
NT SATURATED			
NT UNSATURATED		AFRICA	BC
NT ELECTRICAL SOIL PROPERTY		USE ((6	
NT MECHANICAL SOIL PROPERTY		NT AFRICAN ISLAND	
NT SOIL ATMOSPHERE		NT CENTRAL AFRICA	
NT SOIL STRUCTURE		NT NORTH AFRICA	
NT SOIL TEXTURE		NT SOUTHERN AFRICA	
NT SOIL WATER		NT WEST AFRICA	

AFRICAN ISLAND	BC	AUSTRALIA	BC
USE ((69		USE ((94	
BT AFRICA		NT NEW SOUTH WALES	
NT MADAGASCAR		NT QUEENSLAND	
NT MAURITIUS		NT TASMANIA	
NT SEYCHELLES		NT VICTORIA	
ALABAMA	BC	BARBADOS	BC
USE ((73(761		USE ((729 86	
BT SOUTH CENTRAL STATES		BT CARIBBEAN TERRITORIES	
ALASKA	BC	BASUTOLAND	RC
USE ((73(798		AT LESOTHO	
BT GREAT BASIN AND PACIFIC STATES		BECHUANALAND	RC
ALGERIA	BC	AT BOTSWANA	
USE ((61(65		BELGIAN CONGO	RC
BT NORTH AFRICA		AT CONGO	
ANGOLA	BC	AT ZAIRE	
USE ((673		BORNEO	BC
BT CENTRAL AFRICA		USE ((910(911	
NT CABINDA		BT INDONESIA	
ANTARCTICA	BC	BOTSWANA	BC
USE ((99		USE ((681	
ARABIA	BC	BT SOUTHERN AFRICA	
USE ((53		ST BECHUANALAND	
BT ASIA		BRAZIL	BC
NT SAUDI ARABIA		USE ((81	
ARGENTINA	BC	BT SOUTH AMERICA	
USE ((82		BRITISH ISLES	BC
BT SOUTH AMERICA		USE ((41	
ARIZONA	BC	USE ((42	
USE ((73(791		BT EUROPE	
BT GREAT BASIN AND PACIFIC STATES		NT EIRE	
ARKANSAS	BC	NT ENGLAND	
USE ((73(767		NT SCOTLAND	
BT SOUTH CENTRAL STATES		NT ULSTER	
ASIA	BC	NT WALES	
USE ((5		RT GREAT BRITAIN	
NT ARABIA		RT UNITED KINGDOM	
NT ASIA MINOR		BULGARIA	BC
NT INDIA		USE ((497 2	
NT IRAN		BT EUROPE	
NT JAPAN ADJACENT ISLANDS		BUNDESREPUBLIK DEUTSCHLAND	RC
ASIA MINOR	BC	AT WEST GERMANY	
USE ((56		CABINDA	NT
BT ASIA		USE CABINDA	
NT ISRAEL		BT ANGOLA	
NT TURKEY		ST PORTUGUESE CONGO	
ASIATIC USSR	BC	CALIFORNIA	BC
USE ((57		USE ((73(794	
BT USSR		BT PACIFIC STATES	
NT KAZAKHSTAN		CAMEROON	BC
NT CENTRAL ASIAN UNION REPUBLICS		USE ((671 1	
NT SIBERIA AND SOVIET FAR EAST		BT CENTRAL AFRICA	

CANADA	BC	DENMARK	BC
USE ((71		USE ((489	
BT NORTH AMERICA		BT SCANDINAVIA	
NT ONTARIO			
CAPE PROVINCE	BC	DON (LOWER)	BC
USE ((680(687		USE ((470 6	
BT SOUTH AFRICA		BT EUROPEAN USSR	
CARIBBEAN TERRITORIES	BC	EAST AFRICA	BC
USE ((729		USE ((676	
BT NORTH AMERICA		BT CENTRAL AFRICA	
NT BARBADOS		NT KENYA	
NT CUBA		NT TANZANIA	
NT PUERTO RICO		NT MOZAMBIQUE	
NT TRINIDAD TOBAGO		NT UGANDA	
CENTRAL AFRICA	BC	ECUADOR	BC
USE ((67		USE ((866	
BT AFRICA		BT SOUTH AMERICA	
NT CONGO		NT GALAPAGOS	
NT EAST AFRICA		EIRE	BC
NT ZAIRE		USE ((417	
NT CAMEROON		BT BRITISH ISLES	
NT ANGOLA		ST IRISH REPUBLIC	
CENTRAL AMERICA	BC	EGYPT	BC
USE ((728		USE ((61(620	
BT NORTH AMERICA		BT NORTH AFRICA	
NT COSTA RICA		RT SINAI	
CENTRAL ASIAN UNION REPUBLICS	BC	ENGLAND	BC
USE ((575		USE ((420	
BT ASIATIC USSR		BT BRITISH ISLES	
RT UZBEK		ETHIOPIA	BC
CHOBE	RC	USE ((61(63	
USE ((681		BT NORTH AFRICA	
BT BOTSWANA		EUROPE	BC
COLORADO	BC	USE ((4	
USE ((73(788		NT POLAND	
BT WESTERN STATES		NT BRITISH ISLES	
CONGO	BC	NT EUROPEAN USSR	
USE ((672 4		NT FRANCE	
BT CENTRAL AFRICA		NT GREECE	
RT BELGIAN CONGO		NT NETHERLANDS	
CORSICA	BC	NT ICELAND	
USE ((449 45		NT SCANDINAVIA	
BT FRANCE		NT CZECHOSLOVAKIA	
COSTA RICA	BC	NT GERMANY	
USE ((728 6		NT ITALY	
BT CENTRAL AMERICA		NT BULGARIA	
CUBA	BC	EUROPEAN USSR	BC
USE ((729 1		USE ((47	
BT CARIBBEAN TERRITORIES		BT USSR	
CZECHOSLOVAKIA	BC	BT EUROPE	
USE ((437		NT MIDDLE AND LOWER VOLGA REGION	
BT EUROPE		NT DON (LOWER)	
		NT UKRAINE	
		FINLAND	BC
		USE ((480	
		BT SCANDINAVIA	

FLORIDA	BC	INDONESIA	BC
USE ((73(759		USE ((910	
BT SOUTH EASTERN STATES		NT BORNEO	
FRANCE	BC	IRISH REPUBLIC	RC
USE ((44		AT EIRE	
BT EUROPE			
NT CORSICA		ISRAEL	BC
GALAPAGOS	BC	USE ((569 4	
USE ((866 28		BT ASIA MINOR	
BT ECUADOR		ITALY	BC
GERMANY	BC	USE ((45	
USE ((430		BT EUROPE	
BT EUROPE		IVORY COAST	BC
NT WEST GERMANY		USE ((666 8	
GHANA	BC	BT WEST AFRICA	
USE ((667		JAPAN ADJACENT ISLANDS	BC
BT WEST AFRICA		USE ((52	
ST GOLD COAST		BT ASIA	
GOLD COAST	RC	KAFUE FLATS	RC
AT GHANA		AT ZAMBIA	
GREAT BASIN AND PACIFIC STATES	BC	KANSAS	BC
USE ((73(79		USE ((73(781	
BT UNITED STATES OF AMERICA		BT WESTERN STATES	
NT CALIFORNIA		KAZAKHSTAN	BC
NT OREGON		USE ((574	
NT UTAH		BT ASIATIC USSR	
NT ARIZONA		KENTUCKY	BC
NT ALASKA		USE ((73(769	
NT IDAHO		BT SOUTH CENTRAL STATES	
GREAT BRITAIN	RC	KENYA	BC
AT BRITISH ISLES		USE ((676 2	
GREECE	BC	BT EAST AFRICA	
USE ((495		LESOTHO	BC
BT EUROPE		USE ((686 1	
GWAAI RIVER	RC	BT SOUTHERN AFRICA	
AT ZIMBABWE		ST BASUTOLAND	
RIVER BETWEEN BULAWAYO AND		LIBERIA	BC
VICTORIA FALLS		USE ((666	
ICELAND	BC	BT WEST AFRICA	
USE ((491 1		LIBYA	BC
BT EUROPE		USE ((612	
IDAHO	BC	BT NORTH AFRICA	
USE ((73(796		LUKANGA SWAMPS	RC
BT GREAT BASIN AND PACIFIC STATES		AT ZAMBIA	
ILLINOIS	BC	MADAGASCAR	BC
USE ((73(773		USE ((691	
BT NORTH CENTRAL STATES		BT AFRICAN ISLAND	
INDIA	BC	MALAWI	BC
USE ((540		USE ((689 7	
BT ASIA			

BT SOUTHERN AFRICA		NIGERIA	BC
ST NYASALAND		USE ((669	
		BT WEST AFRICA	
MASHONALAND	RC	NORTH AFRICA	BC
AT ZIMBABWE		USE ((61	
MAURITIUS	BC	BT AFRICA	
USE ((698 2		NT ALGERIA	
BT AFRICAN ISLANDS		NT EGYPT	
		NT ETHIOPIA	
MICHIGAN	BC	NT MOROCCO	
USE ((73(774		NT SUDAN	
BT NORTH CENTRAL STATES		NT LIBYA	
MIDDLE AND LOWER VOLGA REGION	BC	NORTH AMERICA	BC
USE ((470 4		USE ((7	
BT EUROPEAN USSR		NT CANADA	
MINNESOTA	BC	NT CENTRAL AMERICA	
USE ((73(776		NT UNITED STATES OF AMERICA	
BT NORTH CENTRAL STATES		NT CARIBBEAN TERRITORIES	
MOROCCO	BC	NORT CENTRAL STATES	BC
USE ((61(64		USE ((73(77	
BT NORTH AFRICA		BT UNITED STATES OF AMERICA	
		NT MINNESOTA	
MOZAMBIQUE	BC	NT ILLINOIS	
USE ((676(679		NT MICHIGAN	
BT EAST AFRICA		NORTH EASTERN STATES	BC
NATAL	BC	USE ((73(74	
USE ((680(684		BT UNITED STATES OF AMERICA	
BT SOUTH AFRICA		NT NEW HAMPSHIRE	
NEBRASKA	BC	NORTHERN HEMISPHERE	NC
USE ((73(782		USE ((1-17	
BT WESTERN STATES		BT WORLD	
NETHERLANDS	BC	NORTHERN IRELAND	RC
USE ((492		AT ULSTER	
BT EUROPE		NORWAY	BC
NEW GUINEA	BC	USE ((481	
USE ((95		BT SCANDINAVIA	
NEW HAMPSHIRE	BC	NYASALAND	RC
USE ((73(742		AT MALAWI	
BT NORTH EASTERN STATES		ONTARIO	BC
NEW SOUTH WALES	BC	USE ((713	
USE ((944		BT CANADA	
BT AUSTRALIA		ORANGE FREE STATE	BC
NEW ZEALAND	BC	USE ((680(685	
USE ((931		BT SOUTH AFRICA	
NGAMILAND	RC	OREGON	BC
USE ((681		USE ((73(795	
BT BOTSWANA		BT GREAT BASIN AND PACIFIC STATES	
NIGER	BC	PARAGUAY	BC
USE ((662 6		USE ((892	
BT WEST AFRICA		BT SOUTH AMERICA	

PERSIA AT IRAN	RC	NT VENEZUELA NT BRAZIL NT PARAGUAY	
POLAND USE ((438 BT EUROPE	BC	SOUTH CENTRAL STATES USE ((73(76 BT UNITED STATES OF AMERICA	BC
PORTUGUESE CONGO AT CABINDA	RC	NT TEXAS NT ARKANSAS NT KENTUCKY	
PUERTO RICO USE ((729 5 BT CARIBBEAN TERRITORIES	BC	NT ALABAMA	
QUEENSLAND USE ((943 BT AUSTRALIA	BC	SOUTH EASTERN STATES USE ((73(75 BT UNITED STATES OF AMERICA NT FLORIDA	BC
RHODESIA AT ZIMBABWE	RC	SOUTHERN AFRICA USE ((68 BT AFRICA NT BOTSWANA	BC
SAUDI ARABIA USE ((532 BT ARABIA	BC	NT MALAWI NT SOUTH AFRICA NT SOUTH WEST AFRICA NT SWAZILAND	
SCANDINAVIA USE ((48 BT EUROPE NT DENMARK NT FINLAND NT NORWAY NT SWEDEN	BC	NT ZAMBIA NT ZIMBABWE RHODESIA NT LESOTHO	
SCOTLAND USE ((411 BT BRITISH ISLES	BC	SOUTHERN HEMISPHERE USE ((1-13 BT WORLD	NC
SENEGAL USE ((663 BT WEST AFRICA	BC	SOUTH WEST AFRICA/NAMIBIA USE ((688 BT SOUTHERN AFRICA	BC
SEYCHELLES USE ((696 BT AFRICAN ISLAND	BC	SOVIET FAR EAST AT SIBERIA AND SOVIET FAR EAST	RC
SIBERIA AND SOVIET FAR EAST USE ((571 BT ASIATIC USSR	BC	SUDAN USE ((61(624 BT NORTH AFRICA	BC
SINAI AT EGYPT	RC	SURINAM USE ((883 BT SOUTH AMERICA	BC
SOUTH AFRICA USE ((680 BT SOUTHERN AFRICA NT CAPE PROVINCE NT NATAL NT TRANSVAAL NT ORANGE FREE STATE	BC	SWAZILAND USE ((683 4 BT SOUTHERN AFRICA	BC
SOUTH AMERICA USE ((8 NT ARGENTINA NT ECUADOR NT SURINAM	BC	SWEDEN USE ((485 BT SCANDINAVIA  TANGANYIKA AT TANZANIA  TANZANIA USE ((676(678 BT EAST AFRICA RT TANGANYIKA RT ZANZIBAR	BC  RC  BC

TASMANIA	BC	VENEZUELA	BC
USE ((946		USE ((87	
BT AUSTRALIA		BT SOUTH AMERICA	
TEXAS	BC	UZBEK	RC
USE ((73&764		AT CENTRAL ASIAN UNION REPUBLICS	
BT SOUTH CENTRAL STATES			
TOBAGO	RC	VICTORIA	BC
AT TRINIDAD TOBAGO		USE ((945	
		BT AUSTRALIA	
TRANSSVAAL	BC	WALES	BC
USE ((680(682		USE ((429	
BT SOUTH AFRICA		BT BRITISH ISLES	
TRINIDAD TOBAGO	BC	WEST AFRICA	BC
USE ((729 87		USE ((66	
AT CARIBBEAN TERRITORIES		BT AFRICA	
TURKEY	BC	NT GHANA	
USE ((560		NT NIGERIA	
BT ASIA MINOR		NT LIBERIA	
		NT NIGER	
UGANDA	BC	NT SENEGAL	
USE ((676 1		NT IVORY COAST	
BT EAST AFRICA			
UKRAINE	BC	WESTERN STATES	BC
USE ((477		USE ((73(78	
BT EUROPEAN USSR		BT UNITED STATES OF AMERICA	
		NT COLORADO	
ULSTER	BC	NT KANSAS	
USE ((416		NT NEBRASKA	
BT BRITISH ISLES			
ST NORTHERN IRELAND		WEST GERMANY	BC
UNION OF SOVIET SOCIALIST REPUBLICS	RC	USE ((430 1	
AT USSR		BT GERMANY	
		ST BUNDESREPUBLIK DEUTSCHLAND	
UNITED KINGDOM	RC	WORLD	BC
AT BRITISH ISLES		USE ((100	
		NT NORTHERN HEMISPHERE	
UNITED STATES OF AMERICA	BC	NT SOUTHERN HEMISPHERE	
USE ((73		RT GLOBE	
BT NORTH AMERICA		RT EARTH	
NT NORTH CENTRAL STATES			
NT NORTH EASTERN STATES		ZAIRE	BC
NT GREAT BASIN AND PACIFIC STATES		USE ((675	
NT SOUTH CENTRAL STATES		BT CENTRAL AFRICA	
NT SOUTH EASTERN STATES		RT BELGIAN CONGO	
NT WESTERN STATES			
USSR	BC	ZAMBIA	BC
USE ((47		USE ((689 4	
USE ((57		BT SOUTHERN AFRICA	
NT ASIATIC USSR			
NT EUROPEAN USSR		ZANZIBAR	RC
ST UNION OF SOVIET SOCIALIST		AT TANZANIA	
REPUBLICS			
UTAH	BC	ZIMBABWE	BC
USE ((73(792		USE ((689 1	
BT PACIFIC STATES		BT SOUTHERN AFRICA	
		ST RHODESIA	
		PLAIN	NC
		USE PLAIN	
		BT LAND FORM	

PLAN	NC	PLANT INVASION AND ENCROACHMENT	BC
USE PLAN		USE 581 524 2 (Synecology)	
AT LANDSCAPE PLANNING		BT SYNECOLOGY	
BT CHART. MAP. PLAN		NT ENCROACHMENT	
		NT INVASION	
PLANT	BC	NT ERADICATION	
USE 581 52:581 072 (Environment)			
AT FORAGE PLANT		PLANT MIGRATION	BC
AT PLANT ECOLOGY		USE 581 522 6 (Autecology)	
AT SOIL-PLANT RELATIONSHIP		BT AUTECOLOGY	
BT BIOTIC FACTOR		NT REPRODUCTION	
NT PLANT COMPETITION		NT DISTRIBUTION	
NT PLANT MORTALITY			
NT WATER WEED		PLANT MORPHOLOGY	BC
RT VEGETATION		USE 581 522:581 4 (Autecology)	
		BT AUTECOLOGY	
PLANT ADJUSTMENT	BC	NT PLANT FORM	
USE 581 522 4 (Autecology)		NT PLANT ORGAN	
BT AUTECOLOGY			
NT PLANT TEMPERATURE		PLANT MORTALITY	NC
RT PHYSIOLOGICAL ADAPTATION		USE MORTALITY	
		BT PLANT	
PLANT COMPETITION	NC		
USE COMPETITION		PLANT ORGAN	BC
BT PLANT		USE 581 522:581 43	
		USE 581 522:581 44	
PLANT ECOLOGY	BC	USE 581 522:581 45	
USE 581 5		USE 581 522.581 46 (Autecology)	
NT AUTECOLOGY		USE 581 522:581 47	
NT EVOLUTIONARY ECOLOGY		USE 581 522.581 48	
NT ENVIRONMENT		USE 581 522:581 49	
NT SYNECOLOGY		BT PLANT MORPHOLOGY	
NT ECOLOGICAL FORMATION		NT FLOWER	
		NT FRUIT	
PLANT EXUDATE	BC	NT LEAF	
USE 581 52:581 135 (Environment)		NT OTHER ORGAN	
BT BIOTIC FACTOR		NT ROOT	
NT ALLELOPATHY		NT SEED	
NT OIL		NT STEM	
PLANT FORM	BC	PLANT SUCCESSION	BC
USE 581 522:581 412 (Autecology)		USE 581 524 3 (Synecology)	
BT PLANT MORPHOLOGY		BT SYNECOLOGY	
NT DECIDUOUS		NT CLIMAX AND SERAL COMMUNITIES	
NT EPIPHYTE		NT FIRE	
NT EVERGREEN		NT PIONEER	
NT FERN		NT OLD LAND	
NT GEOPHYTE		RT COMMUNITY DYNAMICS	
NT HALOPHYTE		RT VEGETATION DYNAMICS	
NT LIMNOPHYTE			
NT GROWTH FORM		PLANT TEMPERATURE	NC
NT GEOXYLIC SUFFRUTEX		USE PLANT TEMPERATURE	
NT MACROPHYTE		BT PLANT ADJUSTMENT	
NT POISON			
NT RAUNKIAER FORM		PLANT/VEGETATION INDICATOR	BC
NT WEED		USE 581 524:54-4 (Synecology)	
NT XEROPHYTE		BT SYNECOLOGY	
NT MANGROVE		NT AIR POLLUTION	
NT MEDICINAL		NT LICHEN	
NT SUCCULENT		NT COPPER	
NT SUFFRUTEX		NT MOSS	
NT PERIPHYTON		NT NICKEL	

PLANT-WATER RELATION	BC	POLAR ORDINATION	NC
USE 581 522:631 671 (Autecology)		USE POLAR ORDINATION	
BT AUTECOLOGY		BT ASSOCIATION ANALYSIS	
NT GUTTATION			
NT WATER BALANCE		POLLINATION	NC
NT TRANSPIRATION		USE POLLINATION	
		BT REPRODUCTION	
PLATEAU	NC	POLLUTION	NC
USE PLATEAU		USE POLLUTION	
BT LAND FORM		AT AIR POLLUTION	
		BT ESTUARY	
PLEISTOCENE	NC	BT LAKE	
USE 581 52:551 791 (Palaeoecology)		BT MARINE	
BT QUATERNARY		BT RIVER	
		BT WETLAND	
PLEXUS	NC	BT ECOLOGICAL CONSERVATION	
USE PLEXUS			
BT MULTIVARIATE ANALYSIS			
PLOT	RC	POPULATION	RC
AT PROTECTED PLOT		AT POPULATION ECOLOGY	
RT PERMANENT PLOT		AT POPULATION MODEL	
PLOTLESS	NC	POPULATION ECOLOGY	BC
USE PLOTLESS		USE 581 5:312 (Palaeoecology)	
BT SAMPLING		BT EVOLUTIONARY ECOLOGY	
NT BRIDGE POINT		NT BIOSYSTEMATIC	
NT LINE-INTERCEPT			
NT POINT-QUARTER		POPULATION MODEL	NC
NT WHEEL POINT		USE POPULATION	
NT LINE TRANSECT		BT MODEL	
NT SHOE POINT			
NT POINT CONTACT		POPULATION PLOTTER	NC
		USE POPULATION PLOTTER	
PLOTTER	RC	BT APPARATUS	
AT POPULATION PLOTTER			
		POTASSIUM	NC
PODZOL	NC	USE POTASSIUM	
USE PODZOL		BT INORGANIC SOIL COMPONENT	
BT SOIL TYPE			
		PRACTICAL	RC
POINT	RC	AT PRACTICAL METEOROLOGY	
AT BRIDGE POINT			
AT POINT-QUARTER		PRACTICAL METEOROLOGY	BC
AT WHEEL POINT		USE 581 52:551 50 (Environment)	
AT SHOE POINT		BT METEOROLOGY	
		NT ACTINOMETER	
POINT-QUARTER	NC	NT EVAPORIMETER	
USE POINT-QUARTER		NT HYGROMETER	
BT PLOTLESS		NT PSYCHROMETER	
		NT FLAG TATTERING	
POINT CONTACT	NC	NT VECTOPLUVIOMETER	
USE POINT CONTACT			
BT PLOTLESS		PRAIRIE	RC
		AT GRASSLAND	
POISON	NT	PRECIPITATION	BC
USE POISON		USE 581 52:551 577 (Environment)	
BT PLANT FORM		USE 581 52:551 578	
NT EFFECT ON STOCK		BT AQUEOUS VAPOUR	
RT TOXIN		NT PRECIPITATION FORM	
		NT PRECIPITATION VARIATION	
POLAR	RC	NT PRECIPITATION SAMPLING	
AT POLAR ORDINATION		NT PRECIPITATION MODEL	

PRECIPITATION FORM USE 581 52:551 578 (Environment) BT PRECIPITATION	BC	BT COMPUTER. PROGRAM. DATA PROCES- SING NT CLUSTERING NT NON CLUSTERING	
PRECIPITATION MODEL USE 574:51:167 7 USE 581 52:551 577 (Environment) USE 581 52:551 578 BT MODEL BT PRECIPITATION	NC	PROPERTY AT CHEMICAL SOIL PROPERTY AT PHYSICAL SOIL PROPERTY	RC
PRECIPITATION SAMPLING USE SAMPLING BT PRECIPITATION	NC	PROTECTED PLOT USE PROTECTED PLOT BT TIME SAMPLING	NC
PRECIPITATION VARIATION USE 581 52:551 577 3 (Environment) BT PRECIPITATION NT SEMI ARID NT DROUGHT NT FLOOD	BC	PROTECTION AT PROTECTED PLOT	RC
PRESSURE AT ATMOSPHERIC PRESSURE AT PRESSURE WATER	RC	PROTEIN USE PROTEIN BT ECOPHYSIOLOGY	NC
PRESSURE WATER USE PRESSURE USE WATER BT HYDROLOGY	NC	PSYCHROMETER USE PSYCHROMETER BT PRACTICAL METEOROLOGY BT APPARATUS BT SOIL WATER	NC
PRIMARY. AT PRIMARY PRODUCTIVITY	RC	PTERIDOPHYTA USE 1st GENUS NO. IN DYER & 88888 PUT IN TAXON FIELD	RC
PRIMARY PRODUCTIVITY USE PRIMARY PRODUCTIVITY BT PRODUCTIVITY NT PHOTOSYNTHESIS	NC	QUADRAT USE QUADRAT BT SAMPLING NT BELT TRANSECT NT NESTED QUADRAT AT PERMANENT QUADRAT	NC
PROCESSING AT DATA PROCESSING	RC	QUALITATIVE OBSERVATION USE 581 524:167 3:519 26 (Synecology) BT SYNTHESIS NT BRAUN-BLANQUET NT UPPSALA SCHOOL NT DISPERSION INDEX RT CONTINENTAL PHYTOSOCIOLOGY	BC
PRODUCTION AT PRODUCTIVITY AT FOREST PRODUCTION	RC	QUALITY AT QUALITATIVE OBSERVATION	RC
PRODUCTIVITY USE 577 4:631 524 84 (Autecology) BT ECOSYSTEM NT PRIMARY PRODUCTIVITY NT SECONDARY PRODUCTIVITY RT PRODUCTION	BC	QUANTITATIVE OBSERVATION USE 581 524:167 3:519 27 (Synecology) BT SYNTHESIS NT MULTIVARIATE ANALYSIS NT UNIVARIATE ANALYSIS	BC
PROFILE AT SOIL PROFILE AT PROFILE DIAGRAM	RC	QUANTITY AT QUANTITATIVE OBSERVATION	RC
PROFILE DIAGRAM USE PROFILE DIAGRAM BT GRAPHIC REPRESENTATION	NC	QUARTER AT POINT-QUARTER	RC
PROGRAM USE PROGRAM	NC	QUATERNARY USE 581 52:551 79 (Palaeoecology) BT STRATIGRAPHY	NC

NT PLEISTOCENE		REFERENCE WORK	BC
NT RECENT		USE ((0 (Reference works and maps)	
RADIATION	BC	NT ALPHABETIC REFERENCE WORK	
USE 581 52:551 521(Environment)		NT SYSTEMATIC REFERENCE WORK	
BT RADIATION. AIR TEMPERATURE		NT BIOGRAPHY	
NT MICROWAVE		REGION	RC
NT LIGHT		AT REGIONAL CLIMATOLOGY	
RADIATION AIR TEMPERATURE	BC	AT REGIONAL ACCOUNT	
USE 581 52:551 52 (Environment)		REGIONAL ACCOUNT	NC
BT METEOROLOGY		USE REGIONAL ACCOUNT	
NT AIR TEMPERATURE		BT PHYTOSOCIOLOGY	
NT RADIATION		REGIONAL CLIMATOLOGY	BC
RAIN	NC	USE 581 52:551 582 (Environment)	
USE RAIN		BT CLIMATOLOGY	
BT RAIN. DRIZZLE		RELATION	RC
RAIN. DRIZZLE	BC	AT SOIL-PLANT RELATIONSHIP	
USE 581 52:551 578 1(Environment)		AT PLANT-WATER RELATION	
BT PRECIPITATION FORM		RELIEF	NC
NT RAIN		USE RELIEF	
NT DRIZZLE		BT LAND FORM	
NT INTERCEPTION		NT ASPECT	
NT PERIODICITY		NT ALTITUDE	
RANGE	RC	NT SLOPE	
AT FORAGE GRASS		RT TOPOGRAPHY	
RAUNKIAER	RC	REMOTE	RC
AT RAUNKIAER FORM		AT REMOTE SENSING	
RAUNKIAER FORM	NC	REMOTE SENSING	BC
USE RAUNKIAER FORM		USE 581 524:167 2:528 7 (Synecology)	
BT PLANT FORM		BT ANALYSIS	
NT GEOPHYTE		NT PHOTOGRAPHY	
NT HELOPHYTE		NT SATELLITE IMAGERY	
RAW HUMUS	RC	REPRESENTATION	RC
AT MOR		AT GRAPHIC REPRESENTATION THEORY	
REACTION	NC	AT GRAPHIC AND CARTOGRAPHIC	
USE REACTION		REPRESENTATION	
BT SOIL REACTION PH		REPRODUCTION	NC
NT HYDRONIUM		USE REPRODUCTION	
NT ALUMINIUM		BT PLANT MIGRATION	
RECENT	NC	NT PARTHENOGENESIS	
USE 581 52:551 799 (Palaeoecology)		NT POLLINATION	
BT QUATERNARY		REQUIREMENT	RC
RECIPROCAL AVERAGING	NC	AT AUTECOLOGICAL REQUIREMENT	
USE RECIPROCAL AVERAGING		AT ANALYTICAL REQUIREMENT	
BT MULTIVARIATE ANALYSIS		AT SYNTHETICAL REQUIREMENT	
RECLAIM	RC	RESEEDING	NT
AT LAND RECLAMATION		USE RESEEDING	
RECOMMENDATION	RC	BT PASTURE MANAGEMENT	
AT STRATIGRAPHIC RECOMMENDATION		RESERVE	RC
REEF	NC	AT NATURE RESERVE	
USE REEF		RESIDUE	RC
BT OCEANOGRAPHY		AT CROP RESIDUE	

RESOURCE	RC	SALT	NC
AT FOREST RESOURCE		USE SALT	
RE-VEGETATION	NT	AT SALT CONTENT	
USE RE-VEGETATION		BT AIRBORNE PARTICLE	
BT LAND RECLAMATION		SALT CONTENT	BC
AT AFFORESTATION		USE 581 52:631 413 3	
REVIEW	NT	BT ION EXCHANGE	
USE REVIEW		RT SALINITY	
BT BIBLIOGRAPHY		SAMPLE SIMILARITY	NC
RH	BC	USE SIMILARITY	
USE 581 52:631 413 5 (Environment)		BT SAMPLING	
BT ION EXCHANGE		SAMPLING	BC
ST OXIDATION REDUCTION POTENTIAL		USE 581 524:167 2.001 4 (Synecology)	
RHODOPHYCEAE	NC	BT ANALYSIS	
USE RHODOPHYCEAE		AT SOIL SAMPLING	
BT ALGA		AT PRECIPITATION SAMPLING	
RING	RC	NT LEAF AREA DETERMINATION	
AT GROWTH RING		NT PLOTLESS	
RIVER	BC	NT QUADRAT	
USE 577 472:551 482 2 (Veg. descr.)		NT SAMPLE SIMILARITY	
BT AQUATIC VEGETATION		NT TIME SAMPLING	
NT DELTA		NT BUOYANCY TECHNIQUE	
NT EUTROPHICATION		NT GIRDLING	
NT POLLUTION		SAND	NC
NT SILTATION		USE SAND	
ROAD	RC	BT SOIL TYPE	
AT VERGE		SATELLITE IMAGERY	NC
ROCK	RC	USE SATELLITE IMAGERY	
AT PETROLOGY		BT REMOTE SENSING	
ROCK DETERMINATION	BC	NT LANDSAT	
USE 581 52:552 1 (Environment)		SATURATED	NC
BT PETROLOGY		USE SATURATED	
NT PETROGENESIS		BT PHYSICAL SOIL PROPERTY	
RODENT	NC	SAVANNA	NC
USE RODENT		USE SAVANNA	
BT MAMMAL		AT WOODLAND	
ROOT	BC	BT FORMATION CLASS	
USE 581 522:581 43 (Autecology)		RT BUSHVELD	
BT PLANT ORGAN		SCALE	RC
NT ROOT GROWTH		AT EXPOSURE SCALE	
NT NITROGEN FIXATION		SCHOOL	RC
ROOT GROWTH	NC	AT UPPSALA SCHOOL	
USE GROWTH		SCRIBE	NC
BT ROOT		USE SCRIBE	
RUNOFF	NC	BT APPARATUS	
USE RUNOFF		SCRUB	RC
BT HYDROGRAPHY		AT SCRUB CONTROL	
SALINITY	RC	AT WOODLAND/SAVANNA/SCRUB BIOME	
AT SALT CONTENT		SCRUB CONTROL	NC
		USE SCRUB CONTROL	
		BT ECOLOGICAL CONSERVATION	

SEA	RC	SHOE POINT	NC
AT MARINE		USE SHOE POINT	
AT OCEANOGRAPHY		BT PLOTLESS	
SEASON	NC	SHOOT GROWTH	NC
USE SEASON		USE SHOOT GROWTH	
BT CLIMATIC VARIATION		BT STATISTICAL PARAMETER	
RT AUTUMN			
RT SPRING		SHORE	NC
SECONDARY	RC	USE SHORE	
AT SECONDARY PRODUCTIVITY		BT LAND FORM	
		NT SHORE MANAGEMENT	
		NT MARINE SHORE	
SECONDARY PRODUCTIVITY	NC	RT BEACH	
USE SECONDARY PRODUCTIVITY		RT COAST	
BT PRODUCTIVITY			
SECONDARY SUCCESSION	NC	SHORE MANAGEMENT	NC
USE SECONDARY SUCCESSION		USE MANAGEMENT	
BT SERAL COMMUNITY		BT SHORE	
SEDIMENT	RC	SHRUB	NC
AT SEDIMENTARY ROCK		USE SHRUB	
		BT GROWTH FORM	
SEDIMENTARY ROCK	BC	SHRUBLAND	RC
USE 581 52:552 5 (Environment)		AT DWARF SHRUBLAND	
BT PETROLOGY			
NT DOLOMITE		SILTATION	NC
NT LIMESTONE		USE SILTATION	
NT CALCRETE		BT RIVER	
SEDIMENTATION	NC	SILVICULTURE	NC
USE SEDIMENTATION		USE SILVICULTURE	
BT PHYSICAL FACTOR (SOIL)		BT FORESTRY	
SEED	BC	SIMILARITY	RC
USE 581 522:581 48 (Autecology)		AT SAMPLE SIMILARITY	
BT PLANT ORGAN			
NT SEED DISPERSAL		SIMULATION	NC
SEED DISPERSAL	NC	USE SIMULATION	
USE SEED DISPERSAL		BT MODEL	
BT SEED		SLEEP MOVEMENT	NC
SEGREGATION	NC	USE SLEEP MOVEMENT	
USE SEGREGATION		BT PHENOLOGY	
BT VARIATION			
SEMI	RC	SLOPE	NC
AT SEMI ARID		USE SLOPE	
		BT RELIEF	
SEMI ARID	NC	SLUDGE DISPOSAL	NC
USE SEMI ARID		USE SLUDGE DISPOSAL	
BT PRECIPITATION VARIATION		BT WASTE	
SENSING	RC	SNAIL	NC
AT REMOTE SENSING		USE SNAIL	
		BT ANIMAL	
SERAL COMMUNITY	BC	SOIL	BC
USE 581 524 3:581 555 3 (Synecology)		USE 581 52:631 4 (Environment)	
BT CLIMAX AND SERAL COMMUNITIES		BT ENVIRONMENT	
NT SECONDARY SUCCESSION		NT SOIL ANALYSIS	
		NT CHEMICAL SOIL PROPERTY	
SERE	RC	NT PEDOGENESIS	
AT SERAL COMMUNITY		NT PHYSICAL SOIL PROPERTY	

NT SOIL BIOLOGY		BT SOIL PROFILE	
NT SOIL CLASSIFICATION			
NT SOIL FERTILITY		SOIL MAPPING	BC
NT SOIL SURVEY, LAND CLASSIFICATION AND USE		USE 581 52:631 471 (Environment)	
AT EDAPHIC		BT SOIL SURVEY, LAND CLASSIFICATION AND USE	
NT SOIL MICRO-ENVIRONMENT			
SOIL AERATION	RC	SOIL MICRO-ENVIRONMENT	NC
AT SOIL ATMOSPHERE		USE SOIL MICRO-ENVIRONMENT	
		BT SOIL	
SOIL ANALYSIS	BC	SOIL MOISTURE	BC
USE 581 52:631 42 (Environment)		USE 581 52:551 579 (Environment)	
BT SOIL		BT AQUEOUS VAPOUR	
NT SOIL SAMPLING		NT LIQUID	
NT HYDROMETER		NT CAPILLARY	
		AT HYDROLOGY	
SOIL ATMOSPHERE	BC	AT SOIL WATER	
USE 581 52:631 433 (Environment)			
BT PHYSICAL SOIL PROPERTY		SOIL MOISTURE SPATIAL VARIATION	NC
RT SOIL AERATION		USE SPATIAL	
		BT SOIL MOISTURE VARIATION	
SOIL BIOLOGY	BC		
USE 581 52:631 46 (Environment)		SOIL MOISTURE VARIATION	NC
BT SOIL		USE VARIATION	
NT MYCOPHYTA		BT SOIL MOISTURE	
		NT SOIL MOISTURE SPATIAL VARIATION	
SOIL CLASSIFICATION	BC		
USE 581 52:631 44 (Environment)		SOIL PROFILE	BC
BT SOIL		USE 581 52:631 472 (Environment)	
NT SOIL TYPE		BT SOIL SURVEY, LAND CLASSIFICATION AND USE	
		NT A-C HORIZON	
SOIL CONSERVATION	NC	NT LITTER, ORGANIC, HORIZON	
USE SOIL CONSERVATION		NT SOIL LAYER	
BT SOIL FERTILITY			
SOIL DEVELOPMENT	RC	SOIL REACTION	NC
AT PEDOGENESIS		USE REACTION	
		BT SOIL REACTION pH	
SOIL DISTURBANCE	NC		
USE DISTURBANCE		SOIL REACTION pH	BC
BT SOIL FERTILITY		USE 581 52:631 415 (Environment)	
		BT CHEMICAL SOIL PROPERTY	
SOIL EROSION	BC	NT pH	
USE EROSION		NT SOIL REACTION	
BT SOIL FERTILITY			
NT WIND EROSION			
		SOIL SAMPLING	BC
SOIL EXHAUSTION	BC	USE 581 52:631 42.05 (Environment)	
USE SOIL EXHAUSTION		BT SOIL ANALYSIS	
BT SOIL FERTILITY			
		SOIL STRUCTURE	BC
SOIL FERTILITY	BC	USE 581 52:631 434 (Environment)	
USE 581 52:631 45 (Environment)		BT PHYSICAL SOIL PROPERTY	
BT SOIL		NT GILGAI	
NT SOIL CONSERVATION			
NT SOIL DISTURBANCE		SOIL SURVEY	BC
NT SOIL EROSION		USE 581 52:631 473 (Environment)	
NT SOIL EXHAUSTION		BT SOIL SURVEY, LAND CLASSIFICATION AND USE	
		NT BULK-DENSITY DETERMINATION	
SOIL FORMATION	RC		
AT PEDOGENESIS		SOIL SURVEY, LAND CLASSIFICATION AND USE	BC
SOIL LAYER	BC	USE 581 52:631 47 (Environment)	
USE 581 52:631 472 7 (Environment)		BT SOIL	

NT LAND CLASSIFICATION AND USE		SPECIES ABUNDANCE	RC
NT SOIL MAPPING		AT ABUNDANCE	
NT SOIL PROFILE			
NT SOIL SURVEY		SPECIES-AREA	NC
SOIL TEMPERATURE	RC	USE SPECIES-AREA	
AT THERMAL SOIL PROPERTY		BT STATISTICAL PARAMETER	
		NT SPECIES-AREA ESTIMATION	
SOIL TEXTURE	BC	SPECIES-AREA ESTIMATION	NC
USE 581 52:631 435 (Environment)		USE ESTIMATION	
BT PHYSICAL SOIL PROPERTY		BT SPECIES-AREA	
NT PARTICLE			
SOIL TYPE	BC	SPECIES-CORRELATION	NC
USE TYPE		USE SPECIES-CORRELATION	
BT SOIL CLASSIFICATION		BT STATISTICAL PARAMETER	
NT PODZOL			
NT SAND		SPECIES DISTRIBUTION MAPPING	BC
NT HARDPAN		USE 581 522:528 9 (Autecology)	
		BT AUTECOLOGY	
SOIL WATER	BC	SPECIES DIVERSITY	RC
USE 581 52:631 432 (Environment)		AT DIVERSITY	
BT PHYSICAL SOIL PROPERTY			
NT CAPILLARY		SPECIES FORMATION	RC
AT HYDROLOGY		AT SPECIATION	
AT SOIL MOISTURE			
NT PSYCHROMETER		SPECTRAL ANALYSIS	NC
		USE SPECTRAL	
SOUND	RC	BT STATISTICAL PARAMETER	
AT SOUND ABSORPTION			
		SPECTRUM	RC
SOUND ABSORPTION	NC	AT SPECTRAL ANALYSIS	
USE SOUND ABSORPTION			
BT LANDSCAPE PLANNING		SPELEOLOGY	NC
		USE SPELEOLOGY	
SOUR	RC	BT LAND FORM	
AT SOUR GRASS			
		SPOIL	NC
SOUR BUSHVELD	RC	USE SPOIL	
AT SOUR GRASS		BT LAND RECLAMATION	
		RT MINE DUMP	
SOUR GRASS	NC	NT ARSENIC	
USE SOUR GRASS			
BT GRASS			
RT SOUR BUSHVELD		SPRING	RC
RT SOUR GRASSVELD		AT SEASON	
SOUR GRASSVELD	RC	STATISTIC	RC
AT SOUR GRASS		AT STATISTICAL PARAMETER	
SPACE	RC	STATISTICAL PARAMETER	BC
AT SOIL MOISTURE SPATIAL VARIATION		USE 581 524:167 2:519 28 (Synecology)	
		BT ANALYSIS	
SPECIATION	BC	NT ABUNDANCE	
USE 581 5:575 3/7 (Palaeoecology)		NT COVER	
BT EVOLUTIONARY ECOLOGY		NT DENSITY	
RT SPECIES FORMATION		NT PATTERN	
		NT SPECIES-AREA	
SPECIES	RC	NT SPECTRAL ANALYSIS	
AT SPECIES DISTRIBUTION MAPPING		NT SPECIES-CORRELATION	
AT SPECIATION		NT DISTRIBUTION	
AT SPECIES-AREA		NT EXPOSURE SCALE	
RT ENDANGERED SPECIES		NT FREQUENCY	
		NT DIVERSITY	
		NT SHOOT GROWTH	

STAVE-POINT USE STAVE-POINT BT APPARATUS	NC	SULPHUR USE SULPHUR BT ECOPHYSIOLOGY	NC
STEM USE 581 522:581 44 (Autecology) BT PLANT ORGAN	BC	SURFACE AT SURFACE WIND AT SURFACE WATER	RC
STOCK AT EFFECT ON STOCK	RC	SURFACE WATER AT HYDROGRAPHY	RC
STOMATA USE STOMATA BT LEAF	NC	SURFACE WIND USE SURFACE WIND- BT WIND	NC
STRATIFICATION USE STRATIFICATION BT VERTICAL ZONATION	NC	SURVEY AT SOIL SURVEY	RC
STRATIGRAPHIC MAPPING USE MAP BT STRATIGRAPHY RT GEOLOGICAL MAPPING	NC	SWAMP AT WETLAND	RC
STRATIGRAPHIC RECOMMENDATION USE RECOMMENDATION BT STRATIGRAPHY	NC	SWARD USE SWARD BT FORAGE GRASS	NC
STRATIGRAPHY USE 581 52:551 7 (Palaeoecology) NT PALAEOZOIC NT MESOZOIC NT TERTIARY NT QUATERNARY NT STRATIGRAPHIC MAPPING NT STRATIGRAPHIC RECOMMENDATION RT GEOLOGICAL TIMESCALE	BC	SWEET AT SWEET GRASS	RC
STRIP AT STRIPMINE	RC	SWEET GRASS USE SWEET GRASS BT GRASS RT SWEET GRASSVELD	NC
STRIPMINE USE STRIPMINE BT LAND RECLAMATION	NC	SWEET GRASSVELD AT SWEET GRASS	RC
STRUCTURE USE STRUCTURE AT ATMOSPHERIC STRUCTURE AT EARTH STRUCTURE AT SOIL STRUCTURE BT VERTICAL ZONATION NT VEGETATION GRADIENT RT FORM	NC	SYMBIOSIS USE 581 52:581 557 (Environment) BT BIOTIC FACTOR NT COMMENSALISM NT MUTUALISM NT PARASITISM	BC
SUCCESSION AT PLANT SUCCESSION	RC	SYNECOLOGICAL THEORY USE 581 524:581 55.001 1 (Synecology) BT SYNECOLOGY NT ASSOCIATION THEORY NT CLASSIFICATION THEORY NT CONTINUUM THEORY	BC
SUCCULENT USE SUCCULENT BT PLANT FORM	NC	SYNECOLOGY USE 581 524 (Synecology) BT PLANT ECOLOGY NT ANALYSIS NT COMMUNITY COMPETITION NT PLANT INVASION AND ENCROACH- MENT	BC
SUFFRUTEX USE SUFFRUTEX BT PLANT FORM	NC	NT PLANT SUCCESSION NT PLANT/VEGETATION INDICATOR NT SYNECOLOGICAL THEORY NT SYNTHESIS NT ZONATION	
		SYNTAXONOMIC ASSOCIATION USE SYNTAXONOMIC ASSOCIATION	NC

BT PHYTOSOCIOLOGY		THERMAL	RC
NT LEMNETUM		AT THERMAL SOIL PROPERTY	
SYNTAXONOMY	RC	THERMAL SOIL PROPERTY	BC
AT SYNTAXONOMIC ASSOCIATION		USE 581 52:631 436 (Environment)	
SYNTHESIS	BC	BT PHYSICAL SOIL PROPERTY	
USE 581 524:167 3 (Synecology)		RT TEMPERATURE	
BT SYNECOLOGY		RT SOIL TEMPERATURE	
NT GRAPHIC REPRESENTATION THEORY		THERMODYNAMICS	NC
NT HABITAT CORRELATION		USE THERMODYNAMICS	
NT QUALITATIVE OBSERVATION		BT ATMOSPHERIC STRUCTURE	
NT QUANTITATIVE OBSERVATION		MECHANICS THERMODYNAMICS	
NT SYNTHETIC REQUIREMENT		THORN	NC
NT VEGETATION MAPPING THEORY		USE THORN	
SYNTHETIC REQUIREMENT	BC	BT OTHER ORGAN	
USE 581 524:167 3.001 2 (Synecology)		TIMBER	NC
BT SYNTHESIS		USE TIMBER	
NT APPARATUS		BT FORESTRY	
SYSTEM	RC	AT TREE	
AT SYSTEMATIC BOTANY		TIME	RC
AT SYSTEMATIC REFERENCE WORK		AT TIME SAMPLING	
SYSTEMATIC BOTANY	BC	TIME SAMPLING	NC
USE 582 (Autecology)		USE TIME	
NT ALGA		BT SAMPLING	
NT MYCOPHYTA		NT PROTECTED PLOT	
NT BACTERIUM		RT PERMANENT PLOT	
NT CYANOPHYTA		RT PERMANENT QUADRAT	
NT LICHEN		TOPOGRAPHICAL GRADIENT	RC
SYSTEMATIC REFERENCE WORK	BC	AT SLOPE	
USE ((02 (Reference works and maps)		TOPOGRAPHY	RC
BT REFERENCE WORK		AT RELIEF	
TATTER	RC	RT FORM	
AT FLAG TATTERING		TOXIN	RC
TEMPERATURE	RC	AT POISON	
AT AIR TEMPERATURE		TRANSECT	RC
AT THERMAL SOIL PROPERTY		AT BELT TRANSECT	
AT PLANT TEMPERATURE		AT LINE TRANSECT	
TENDRIL	NC	TRANSPIRATION	NC
USE TENDRIL		USE TRANSPIRATION	
BT OTHER ORGAN		BT PLANT-WATER RELATION	
TERMITE	NC	NT EVAPOTRANSPIRATION	
USE TERMITE		TREE	NC
BT INSECT		USE TREE	
TERTIARY	NC	BT GROWTH FORM	
USE 581 52:551 78 (Palaeoecology)		NT TREE GROWTH	
BT STRATIGRAPHY		AT TIMBER	
TEXTURE	RC	RT WOOD	
NT SOIL TEXTURE		TREE GROWTH	NC
RT FABRIC		USE TREE GROWTH	
THEORY	RC	BT TREE	
AT PLANT ECOLOGICAL THEORY AND		NT GROWTH RING	
METHODS			

TRIASSIC	BC	BT PRACTICAL METEOROLOGY	
USE 551 761 (Palaeoecology)			
BT STRATIGRAPHY		VEGETATION	NC
TROPICAL	RC	USE VEGETATION	
AT TROPICAL FOREST		AT VEGETATION MAPPING	
TROPICAL FOREST	NC	BT ECOLOGICAL CONSERVATION	
USE TROPICAL FOREST		NT ENDANGERED VEGETATION	
BT FOREST		AT RE-VEGETATION	
TYPE	RC	RT PLANT	
AT CLIMATE TYPE		VEGETATION CLASSIFICATION	NC
AT SOIL TYPE		USE VEGETATION CLASSIFICATION	
AT LAND TYPE		BT PHYTOSOCIOLOGY	
UNIVARIATE ANALYSIS	NC	VEGETATION DYNAMICS	RC
USE UNIVARIATE ANALYSIS		AT PLANT SUCCESSION	
BT QUANTITATIVE OBSERVATION		VEGETATION GRADIENT	NC
UNSATURATED	NC	USE GRADIENT	
USE UNSATURATED		BT STRUCTURE	
BT PHYSICAL SOIL PROPERTY		VEGETATION MAPPING THEORY	BC
UPPSALA SCHOOL	NC	USE 581 524:167 3:528 9 (Synecology)	
USE UPPSALA SCHOOL		BT SYNTHESIS	
BT QUALITATIVE OBSERVATION		VELOCITY	RC
USE	RC	AT WIND VELOCITY	
AT LAND CLASSIFICATION AND USE		VENATION	NC
RT UTILIZATION		USE VENATION	
UTILIZATION	RC	BT LEAF	
AT LAND CLASSIFICATION AND USE		VERGE	NC
RT USE		USE VERGE	
VALLEY	NC	BT ENVIRONMENTAL MANAGEMENT	
USE VALLEY		VERTICAL	RC
AT VALLEY WIND		AT VERTICAL ZONATION	
BT LAND FORM		VERTICAL ZONATION	BC
VALLEY WIND	NC	USE 581 524 43 (Synecology)	
USE VALLEY WIND		BT ZONATION	
BT WIND		NT STRATIFICATION	
VAPOUR	RC	NT STRUCTURE	
AT AQUEOUS VAPOUR		VIRUS	NC
VARIABILITY	NC	USE VIRUS	
USE VARIABILITY		BT BACTERIUM	
BT BIOMETRY		VLEI	RC
AT VARIATION		AT WETLAND	
VARIATION	BC	WARM	NC
USE 581 5:575 2 (Palaeoecology)		USE WARM	
BT EVOLUTIONARY ECOLOGY		BT TEMPERATURE	
AT CLIMATIC VARIATION		WASP	NC
AT PRECIPITATION VARIATION		USE WASP	
AT VARIABILITY		BT INSECT	
AT SOIL MOISTURE VARIATION		WASTE	NC
NT MUTATION		USE WASTE	
VECTOPLUVIOMETER	NC	BT ECOLOGICAL CONSERVATION	
USE VECTOPLUVIOMETER		NT SLUDGE DISPOSAL	

WATER	RC	WILD ANIMAL	NC
AT PLANT-WATER RELATION		USE WILD	
AT SURFACE WATER		BT ANIMAL	
AT SOIL WATER			
AT HYDROLOGY		WIND	BC
AT WATER WEED		USE 581 52:551 55 (Environment)	
RT AQUATIC		BT METEOROLOGY	
WATER BALANCE	NC	NT SURFACE WIND	
USE WATER BALANCE		NT AIRBORNE PARTICLE	
BT PLANT-WATER RELATION		NT MOUNTAIN WIND	
NT WATER BALANCE ESTIMATION		NT VALLEY WIND	
		NT BLOWDOWN	
WATER BALANCE ESTIMATION	NC	NT WIND VELOCITY	
USE ESTIMATION		NT AIR LAYER	
BT WATER BALANCE		RT WIND EROSION	
WATER SUPPLY	NC	WIND EROSION	NC
USE WATER SUPPLY		USE WIND	
BT HYDROLOGY		BT SOIL EROSION	
WATER WEED	NC	WIND VELOCITY	NC
USE WATER WEED		USE VELOCITY	
BT PLANT		BT WIND	
WEATHER	RC	WOOD	RC
AT METEOROLOGY		AT TREE	
WEED	NC	WOODLAND	NC
USE WEED		USE WOODLAND	
AT WATER WEED		BT FORMATION CLASS	
BT PLANT FORM		AT WOODLAND/SAVANNA/SCRUB BIOME	
BT HORTICULTURE		RT BUSHVELD	
		RT SAVANNA	
WEEDKILLER	RC	WORK	RC
AT HERBICIDE		AT REFERENCE WORK	
WETLAND	BC	XEROPHYTE	NC
USE 577 472:551 481 2 (Veg. descr.)		USE XEROPHYTE	
AT BOG		BT PLANT FORM	
AT MARSH		RT DESICCATION TOLERANT PLANT	
AT SWAMP			
AT VLEI		ZINC	NC
BT AQUATIC VEGETATION		USE ZINC	
NT EUTROPHICATION		BT NUTRIENT CYCLING	
NT POLLUTION		BT INORGANIC SOIL COMPONENT	
		BT MICRONUTRIENT	
WHEEL	RC	ZONATION	BC
AT WHEEL POINT		USE 581 524 4 (Synecology)	
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USE WHEEL POINT		NT HORIZONTAL ZONATION	
BT PLOTLESS		NT VERTICAL ZONATION	
WILD	RC	ZÜRICH-MONTPPELLIER SCHOOL	RC
AT WILD ANIMAL		AT BRAUN-BLANQUET	

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